

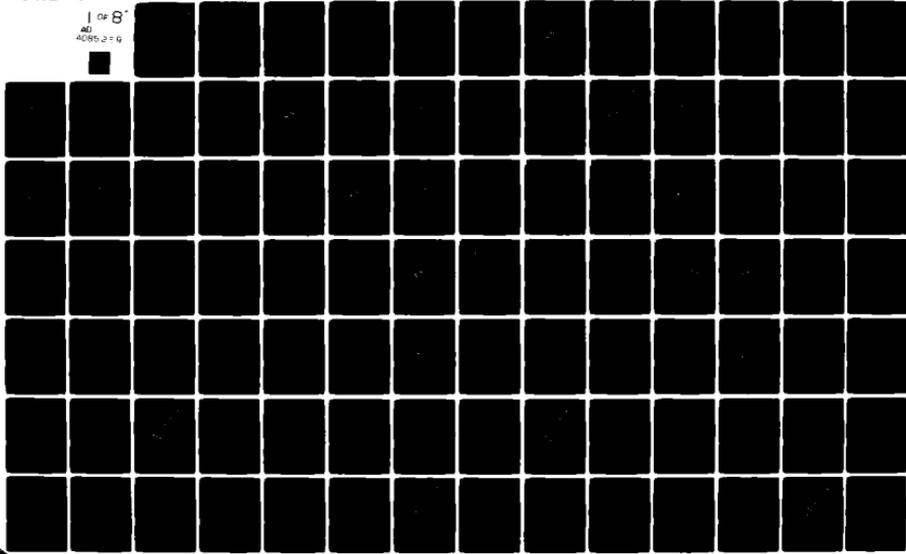
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LOCKHEED-GEORGIA CO MARIETTA
ACQUISITION AND APPLICATION OF TRANSONIC WING AND FAR-FIELD
MAR 80 B L HINSON, K P BURDGES
L680ER0012-VOL-2

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1 of 8
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ACQUISITION AND APPLICATION OF TRANSONIC
WING AND FAR-FIELD TEST DATA FOR THREE-
DIMENSIONAL COMPUTATIONAL METHOD EVALUATION

VOLUME II - APPENDIX B, EXPERIMENTAL DATA

By

F49620-78-C-0068

B. L. Hinson and K. P. Burdges

LOCKHEED-GEORGIA COMPANY
86 South Cobb Drive
Marietta, Georgia 30063

March 1980

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Final Report

May 1978 - August 1979

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AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This volume contains an extensive set of experimental pressure data for Wings A, B, and C. This includes data for all isolated wing and wing/fuselage configurations. No far-field pressure data, however, are included.		

FOREWORD

This appendix contains machine plots of a significant portion of the experimental data for wings A, B, and C. The plots include wing three-dimensional pressure plots, local section plots, and span load distribution plots for all wing and wing/fuselage configurations.

The complete matrix of test points has been repeated as Table B-1 with the test points included in this appendix indicated as solid symbols. The complete set of data is available on magnetic tape through the Air Force Office of Scientific Research, Bolling Air Force Base, D. C.

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Technical Information Officer

TABLE B-1. SUMMARY OF TEST CONDITIONS
(a) Wing A

α	M	.62	.72	.76	.78	.80	.82	.84															
-2	O	O	O	O	O	O	O	O															
		□	□	□	□	□	□	□	□														
		◇	◇	◇	◇	◇	◇	◇	◇														
		△	△	△	△	△	△	△	△														
		○	○	○	○	○	○	○	○														
		□	□	□	□	□	□	□	□														
-1	O	O	O	O	O	O	O	O															
		□	□	□	□	□	□	□	□														
		◇	◇	◇	◇	◇	◇	◇	◇														
		△	△	△	△	△	△	△	△														
		○	○	○	○	○	○	○	○														
		□	□	□	□	□	□	□	□														
0	O	O	O	O	O	O	O	O															
		□	□	□	□	□	□	□	□														
		◇	◇	◇	◇	◇	◇	◇	◇														
		△	△	△	△	△	△	△	△														
		○	○	○	○	○	○	○	○														
		□	□	□	□	□	□	□	□														
1	O	O	O	O	O	O	O	O															
		□	□	□	□	□	□	□	□														
		◇	◇	◇	◇	◇	◇	◇	◇														
		△	△	△	△	△	△	△	△														
		○	○	○	○	○	○	○	○														
		□	□	□	□	□	□	□	□														
2	O	O	O	O	O	O	O	O															
		□	□	□	□	□	□	□	□														
		◇	◇	◇	◇	◇	◇	◇	◇														
		△	△	△	△	△	△	△	△														
		○	○	○	○	○	○	○	○														
		□	□	□	□	□	□	□	□														
3	O	O	O	O	O	O	O	O															
		□	□	□	□	□	□	□	□														
		◇	◇	◇	◇	◇	◇	◇	◇														
		△	△	△	△	△	△	△	△														
		○	○	○	○	○	○	○	○														
		□	□	□	□	□	□	□	□														
4	O	O	O	O	O	O	O	O															
		□	□	□	□	□	□	□	□														
		◇	◇	◇	◇	◇	◇	◇	◇														
		△	△	△	△	△	△	△	△														
		○	○	○	○	○	○	○	○														
		□	□	□	□	□	□	□	□														
5	O	O	O	O	O	O	O	O															
		□	□	□	□	□	□	□	□														
		◇	◇	◇	◇	◇	◇	◇	◇														
		△	△	△	△	△	△	△	△														
		○	○	○	○	○	○	○	○														
		□	□	□	□	□	□	□	□														
C _L = .45	O	O																					
		□																					

- CLEAN WING, $\tau = 4\%$
- CLEAN WING, $\tau = 3\%$
- ◇ CLEAN WING, $\tau = 5\%$
- △ CLEAN WING, $\tau = 6\%$
- HIGH WING, $\tau = 4\%$
- ⊖ MID WING, $\tau = 4\%$
- ⊚ LOW WING, $\tau = 4\%$

TABLE B-1. Continued
(b) Wing B

α	M	.70	.75	.80	.82	.84	.85	.86	.88	.90	.91	.93	.94
-2	○	○					○			○			
	△	△					△			△			
-1	○	○					○			○			
	△	△					△			△			
0	○	○	○				○			○			○
	△	△	△				△			△			△
1	○	○	○	○			○			○			○
	△	△	△	△			△			△			△
2	○	○	○	○	○		○			○			○
	△	△	△	△	△		△			△			△
3	○	○	○	○	○	○	○			○			○
	△	△	△	△	△	△	△			△			△
4	○	○	○	○	○	○	○	○		○			○
	△	△	△	△	△	△	△	△		△			△
5	○	○	○	○	○	○	○	○	○	○			○
	△	△	△	△	△	△	△	△	○	△			△
$C_L = .0$	○	○	○	○	○	○	○	○	○	○			○
	△	△	△	△	△	△	△	△	○	△			△
$C_L = .5$	○	○	○	○	○	○	○	○	○	○			○
	△	△	△	△	△	△	△	△	○	△			△

CLEAN WING, $\tau = 4\%$

CLEAN WING, $\tau = 3\%$

CLEAN WING, $\tau = 5\%$

CLEAN WING, $\tau = 6\%$

○ HIGH WING, $\tau = 4\%$

⊖ MID WING, $\tau = 4\%$

△ LOW WING, $\tau = 4\%$

TABLE B-1. Continued
(c) Wing C

α	M	.70	.75	.80	.82	.84	.85	.86	.88	.90
0		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
1		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
2		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
3		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
4		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
5		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
6		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
7		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○
$C_L = .5$		○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○

CLEAN WING, $\tau = 4\%$

CLEAN WING, $\tau = 3\%$

CLEAN WING, $\tau = 5\%$

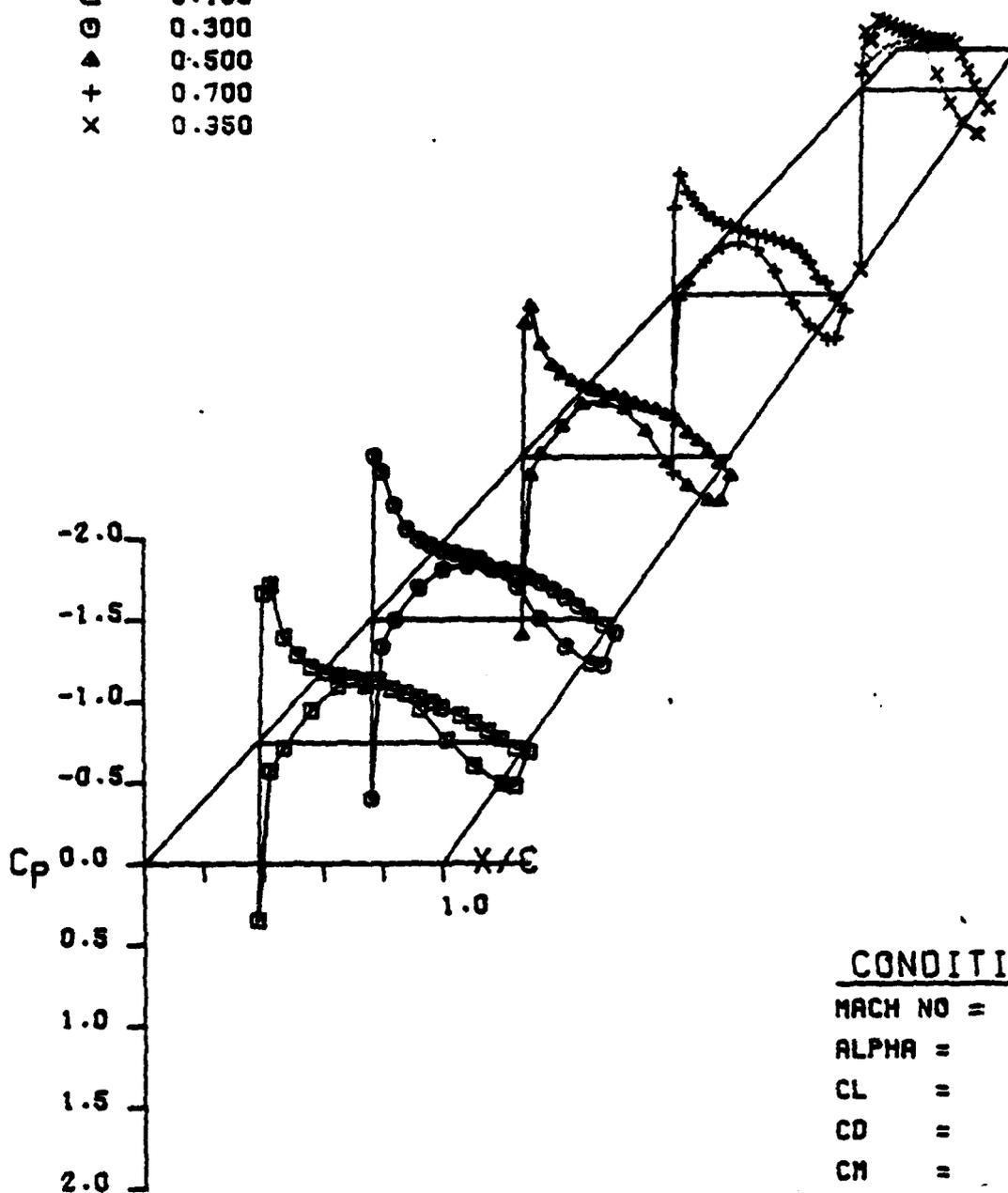
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○ HIGH WING, $\tau = 4\%$

⊖ MID WING, $\tau = 4\%$

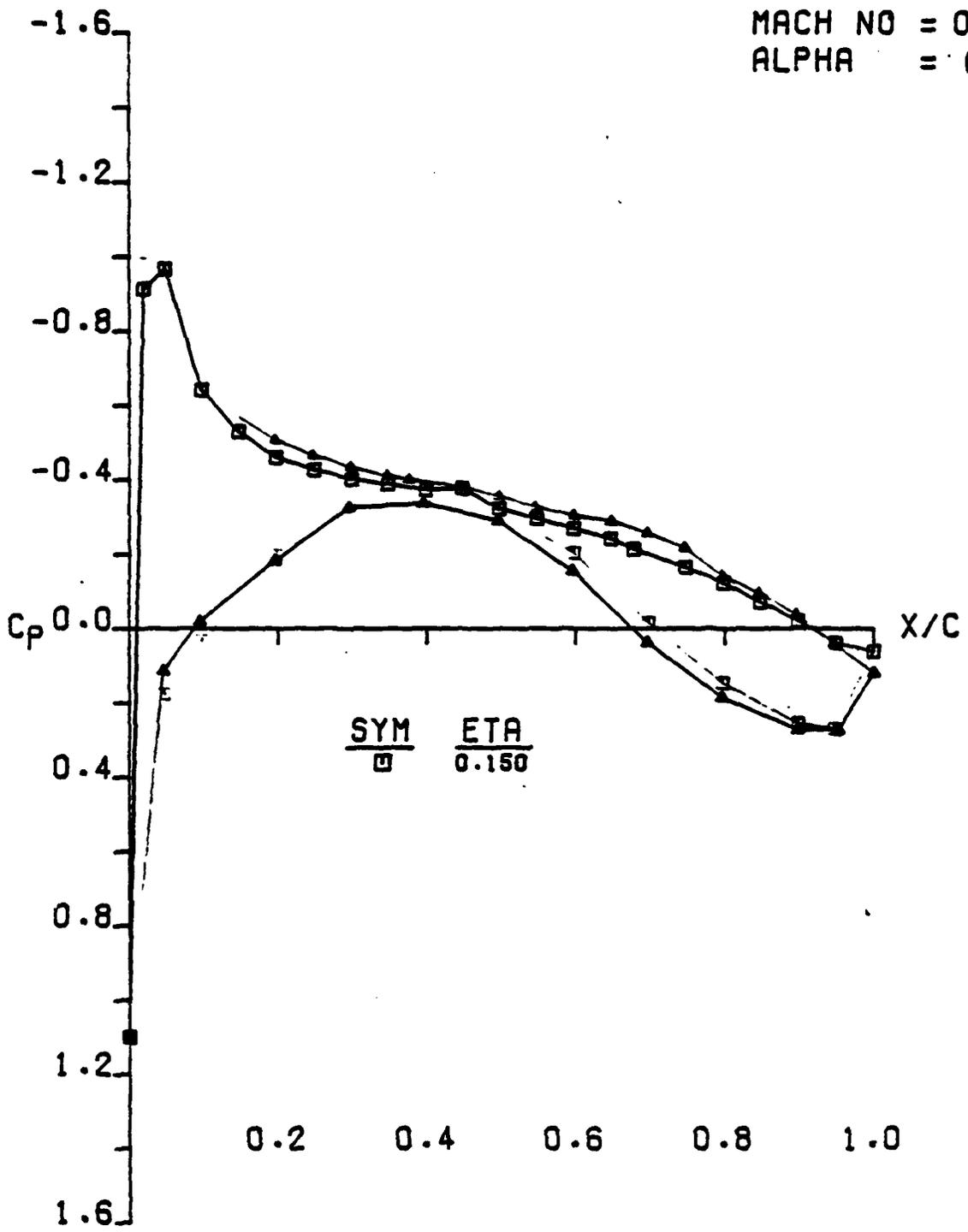
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▲	0.500
+	0.700
x	0.350



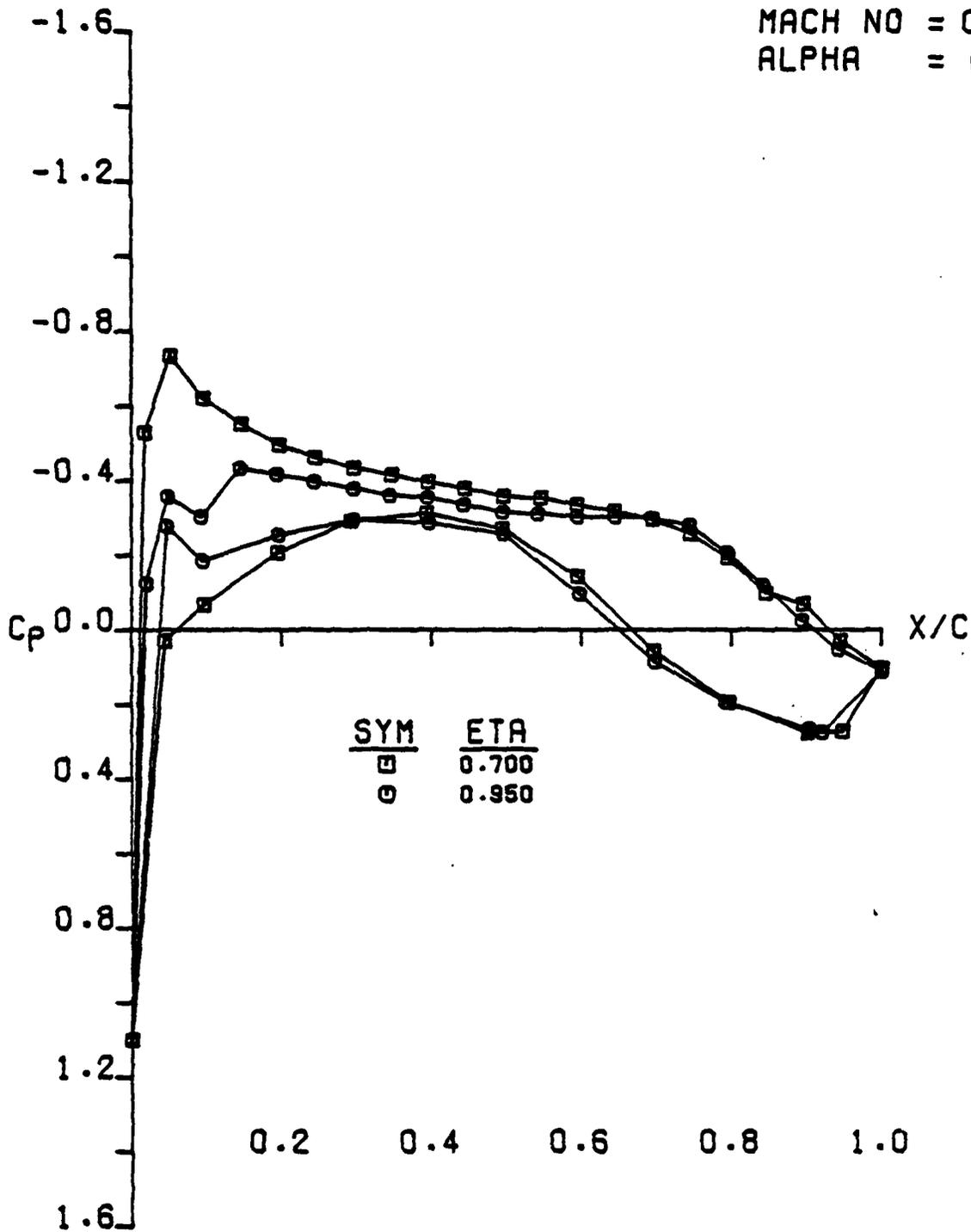
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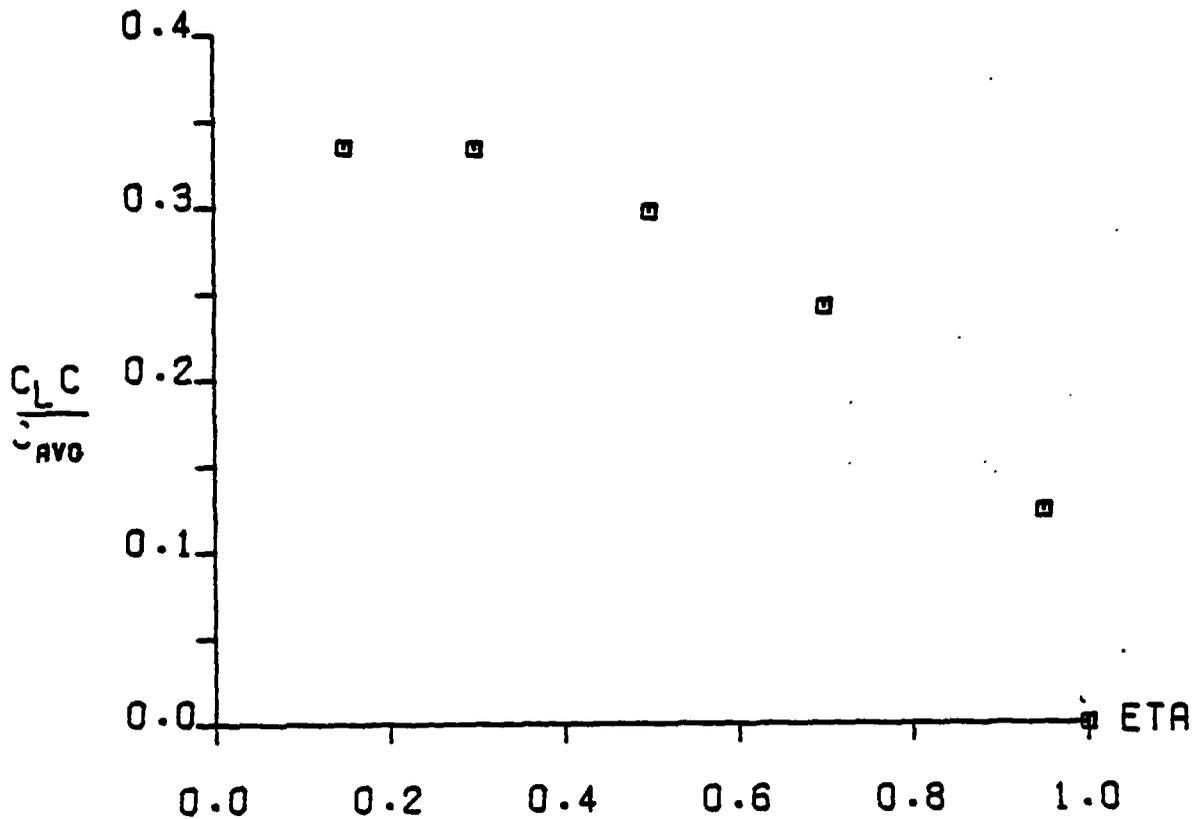
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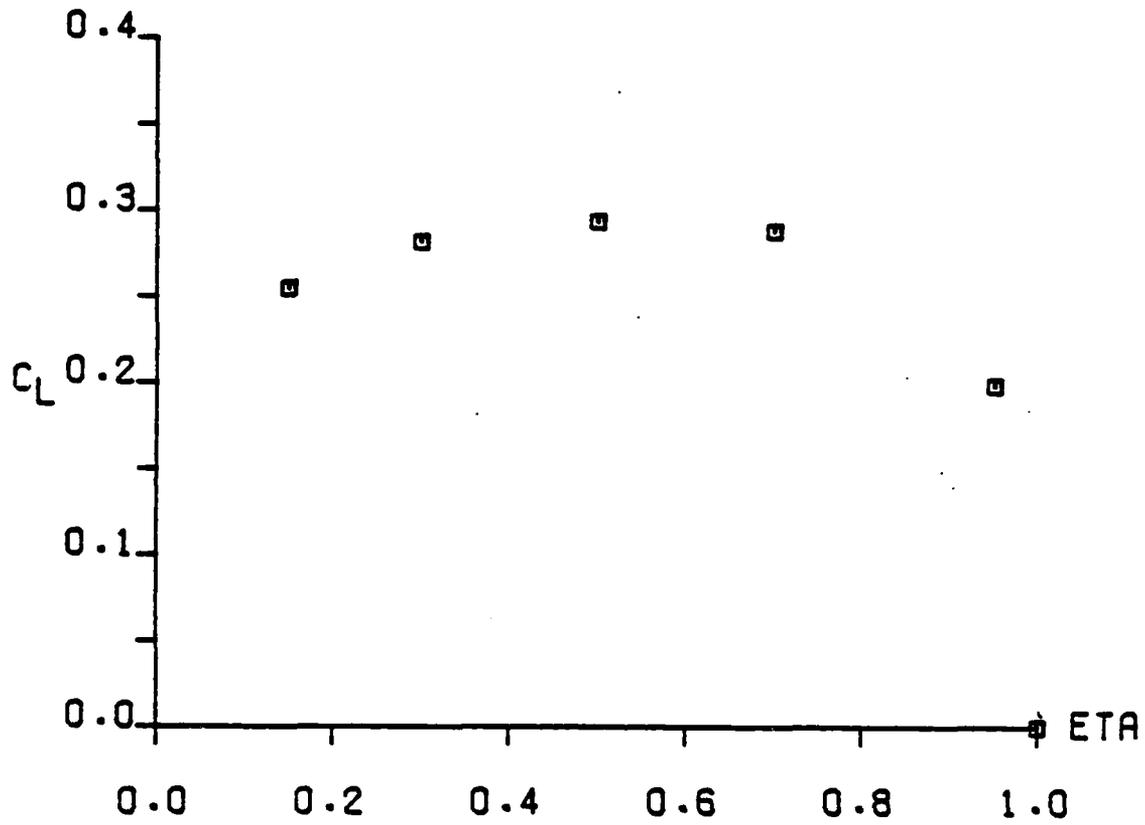
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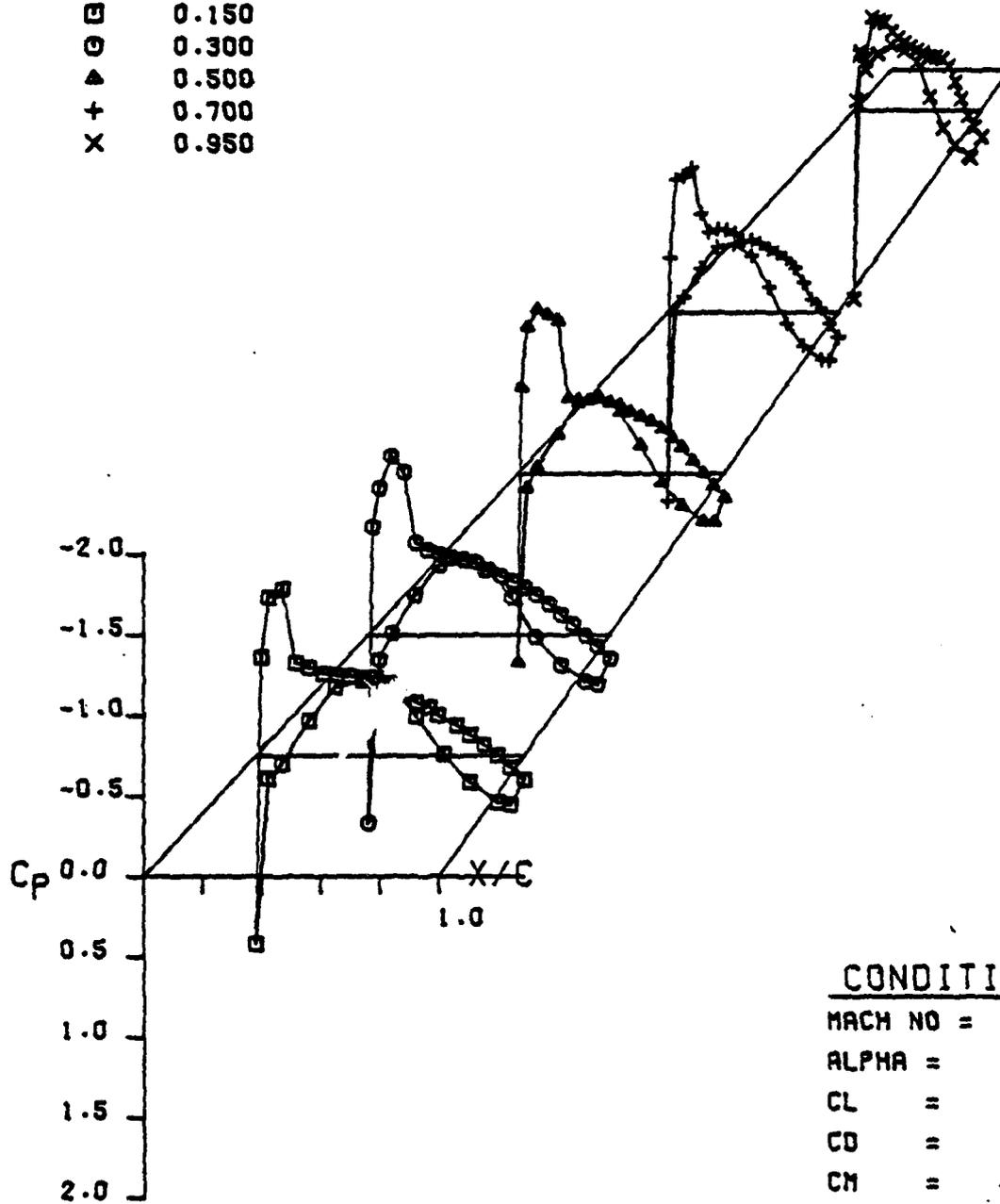
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AFOSR SEMISPAN MODEL A

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△	0.500
+	0.700
x	0.950

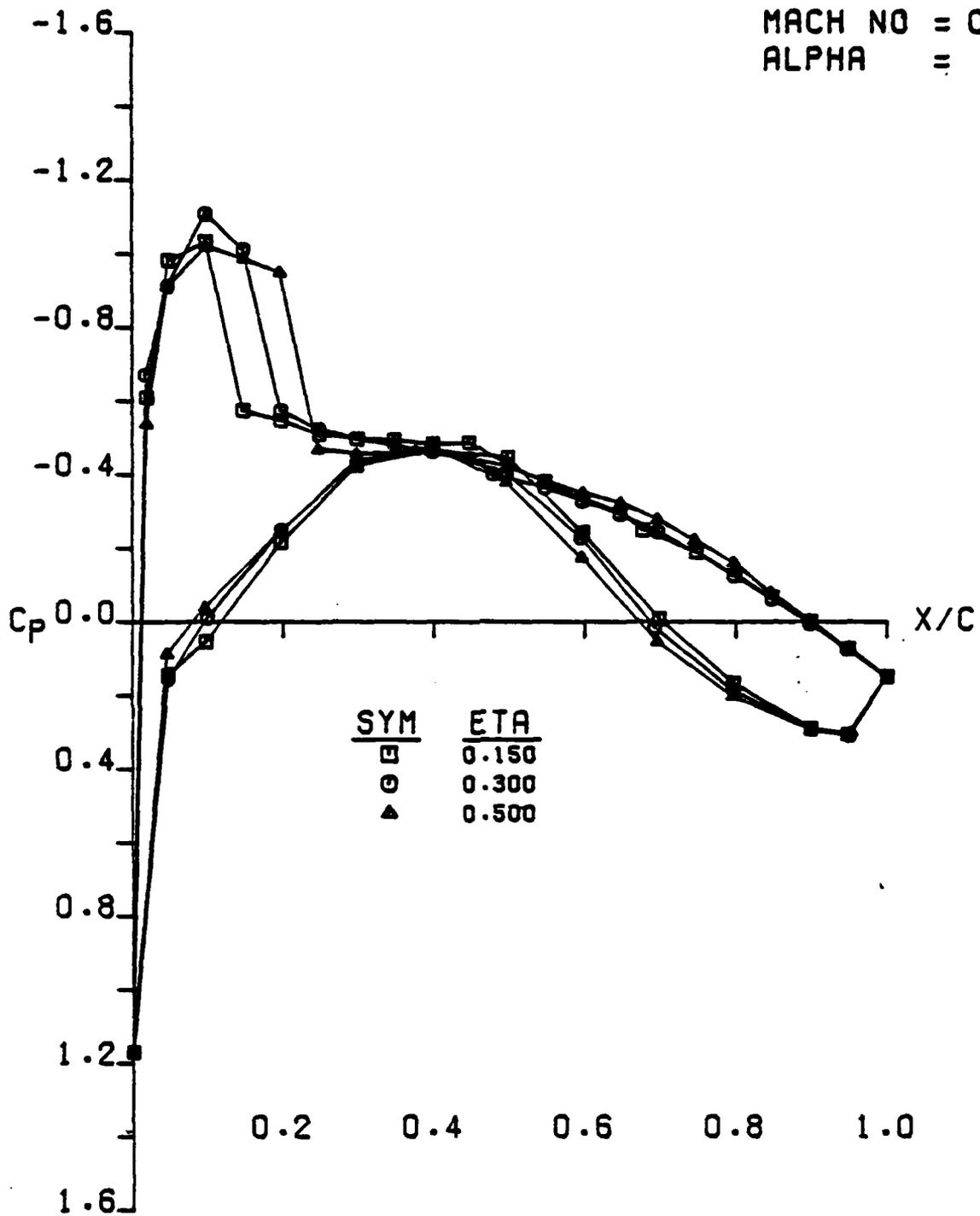


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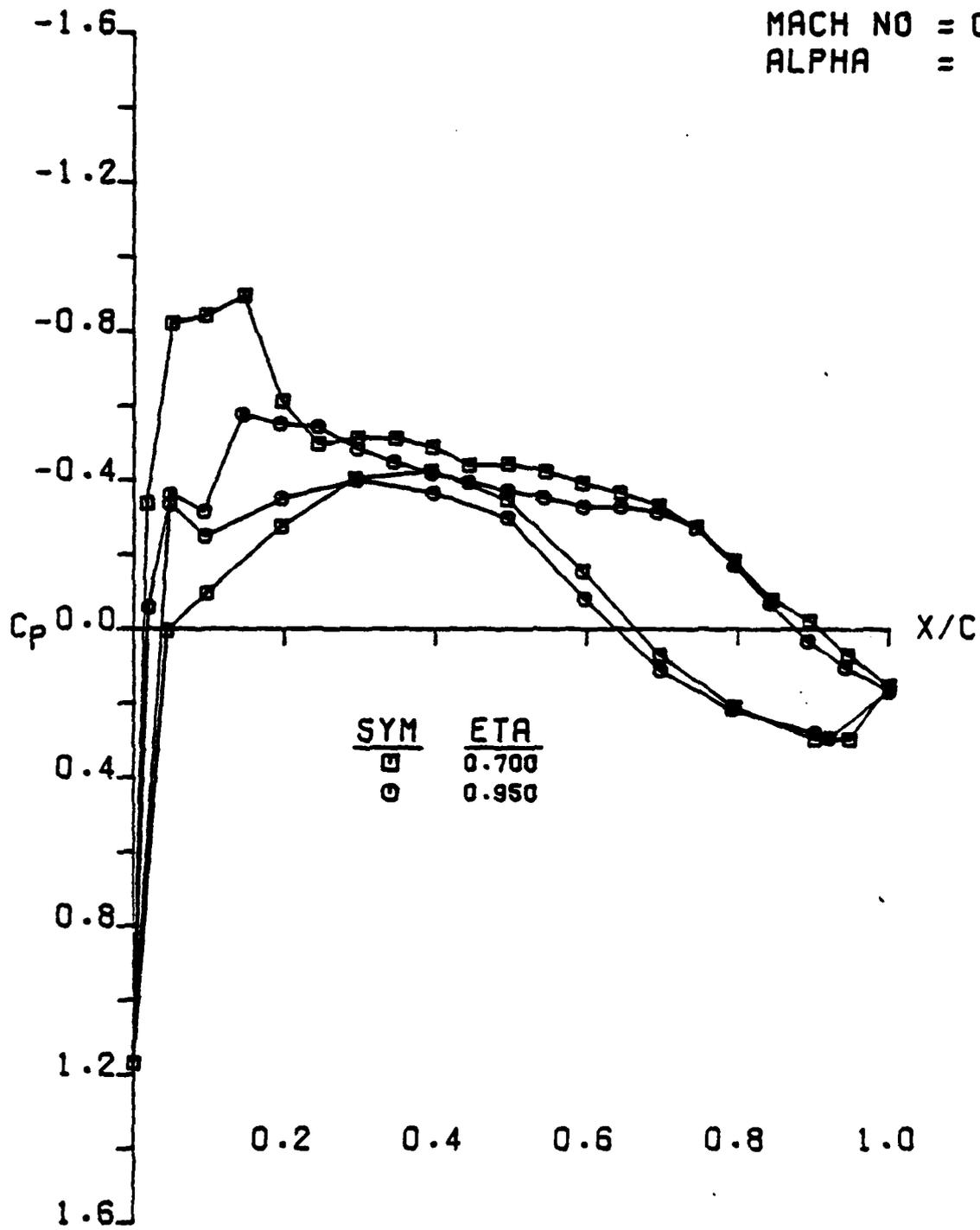
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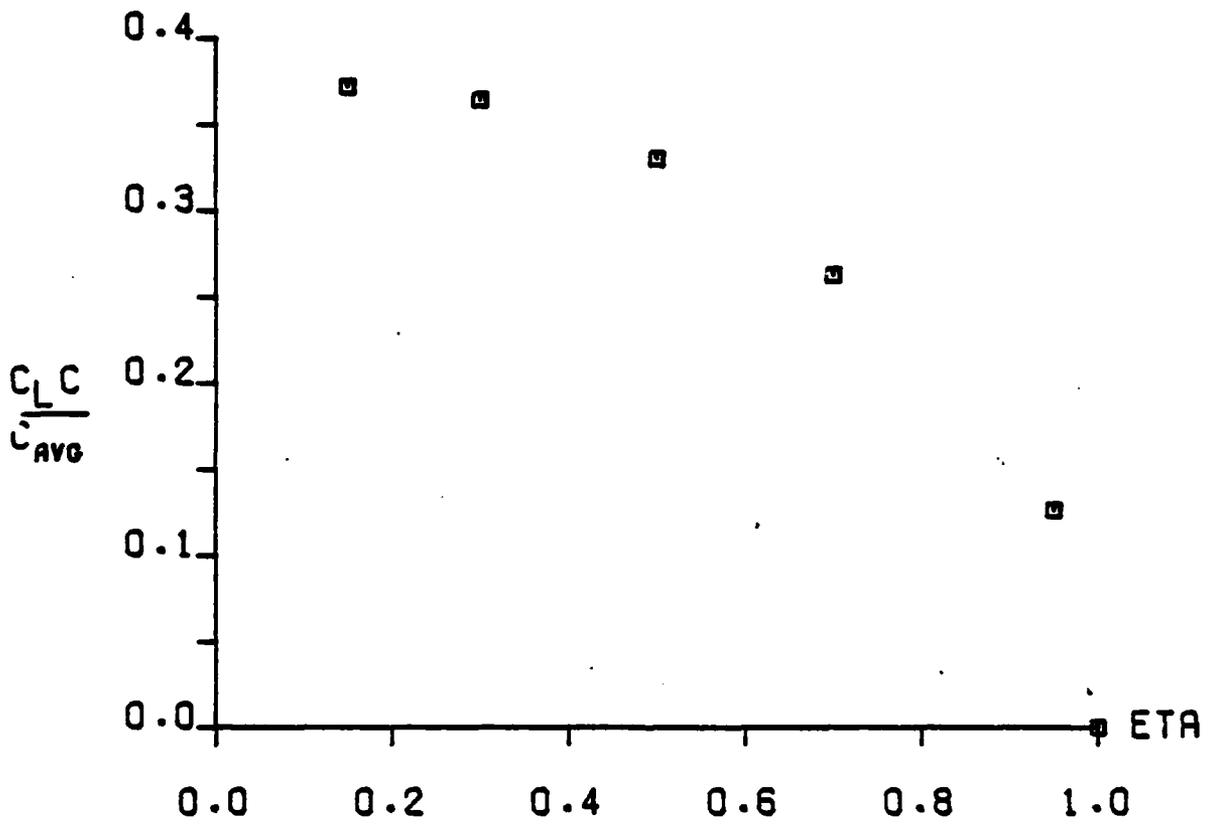


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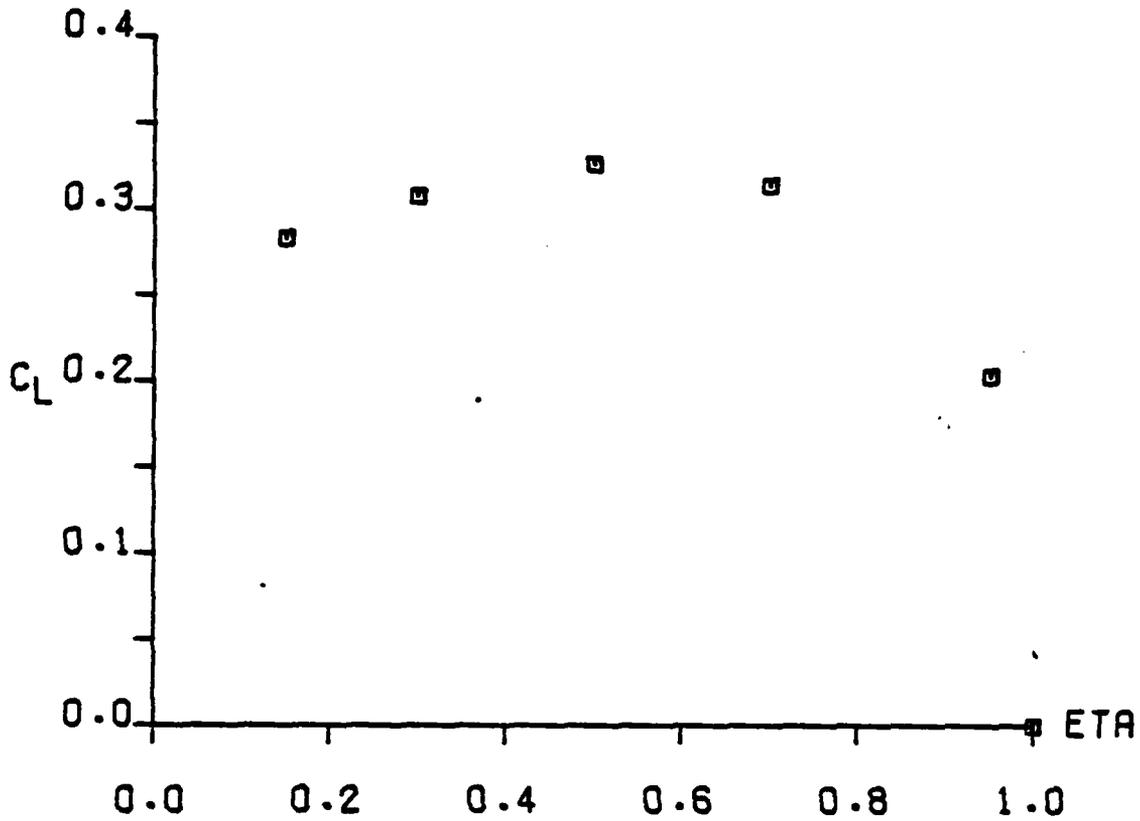
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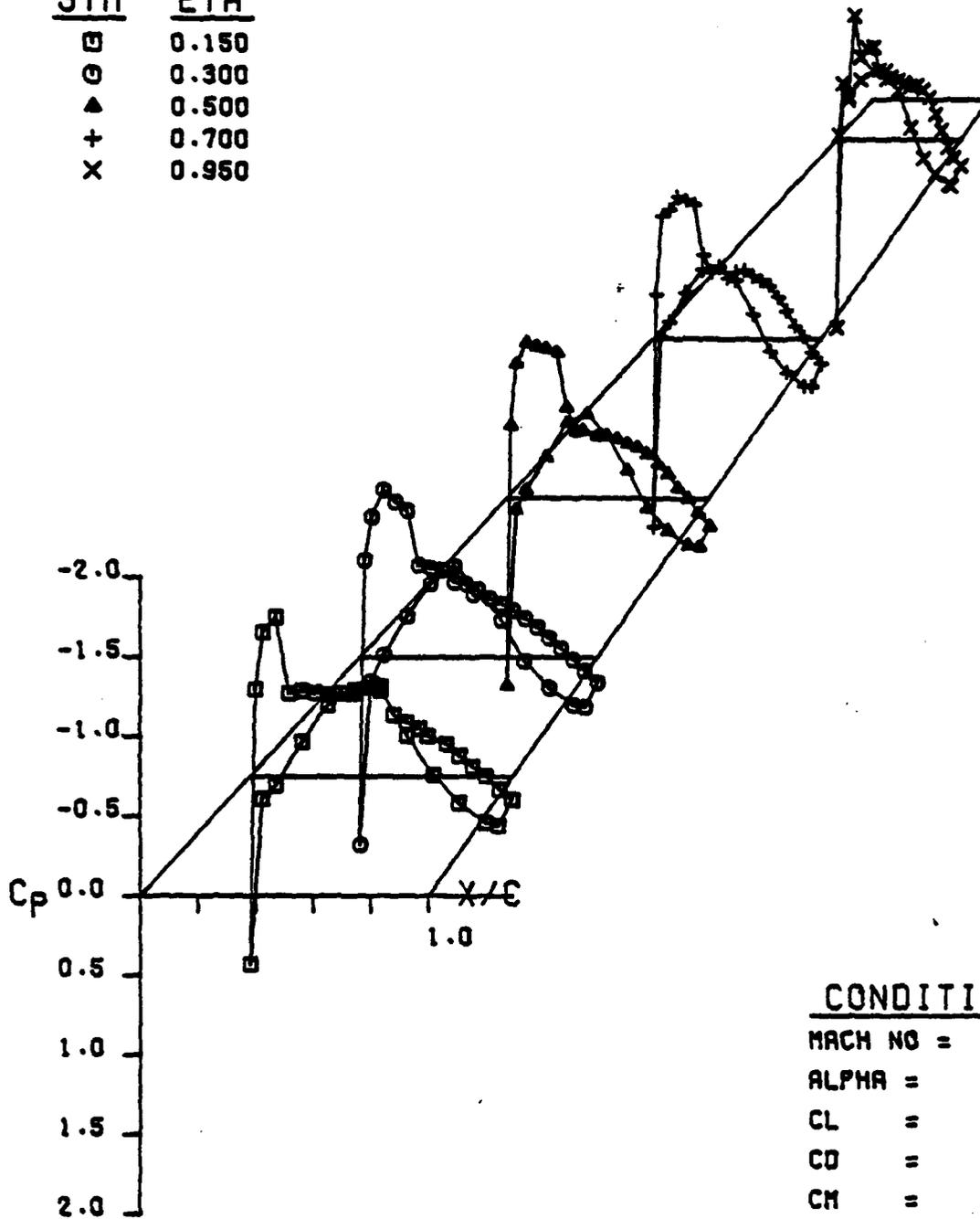
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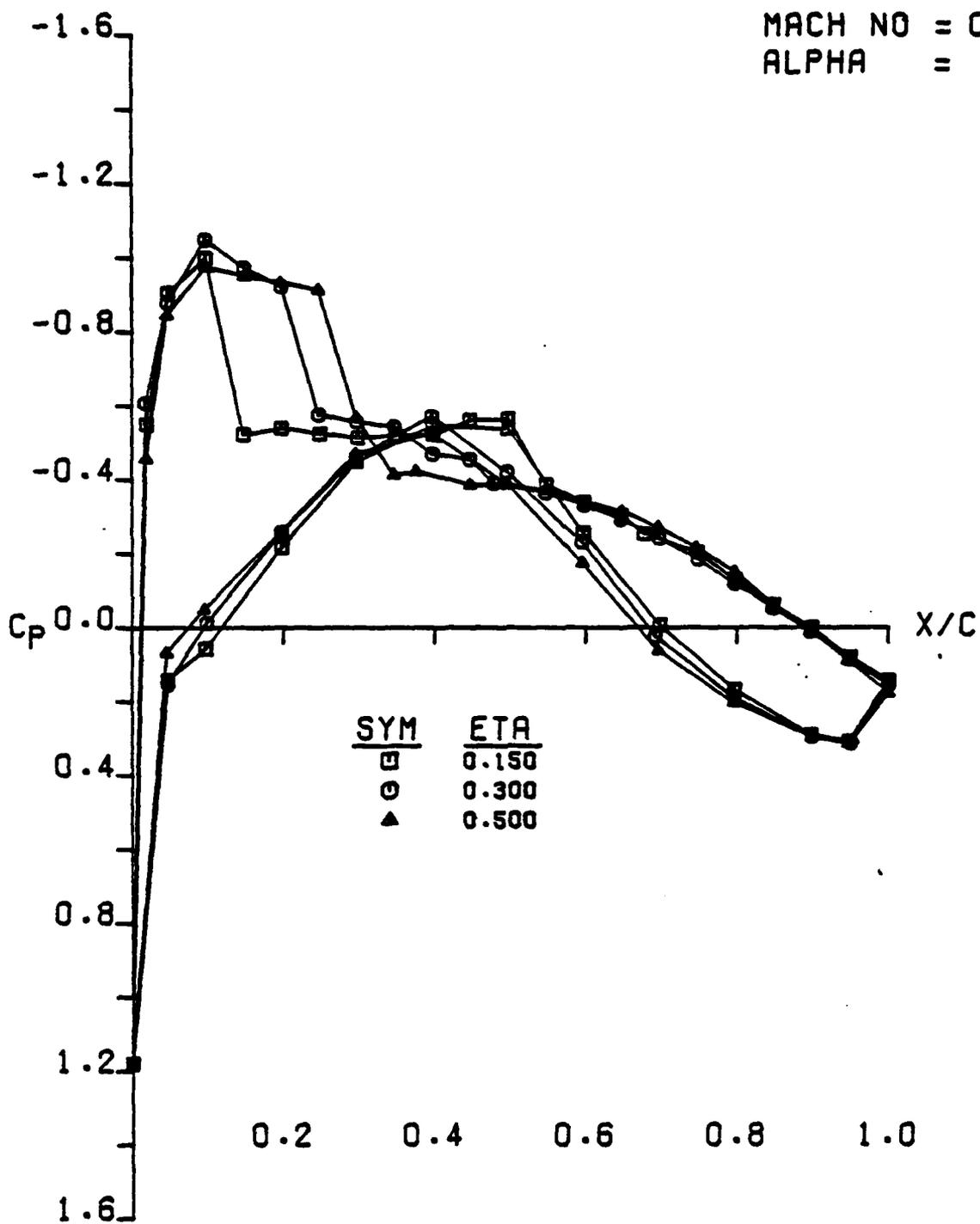
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▲	0.500
+	0.700
X	0.950



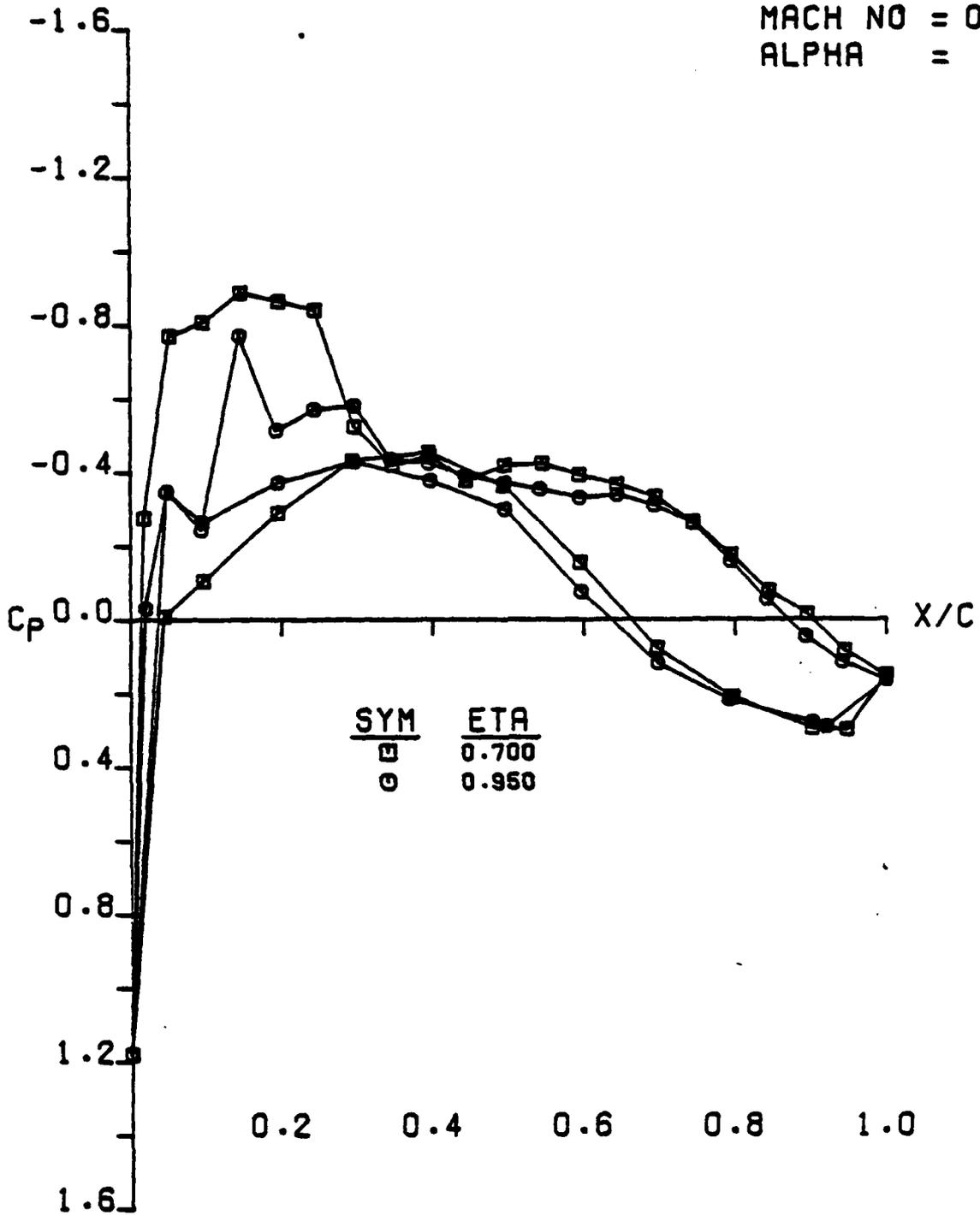
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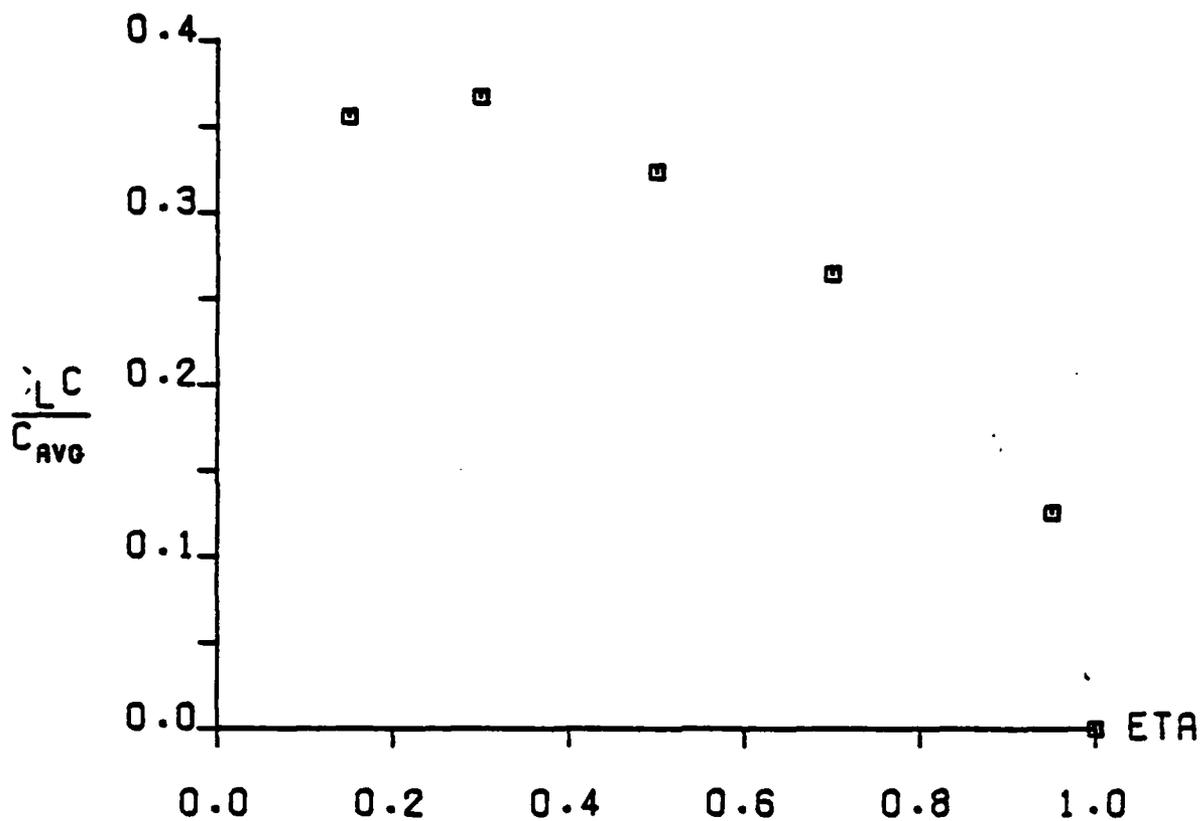
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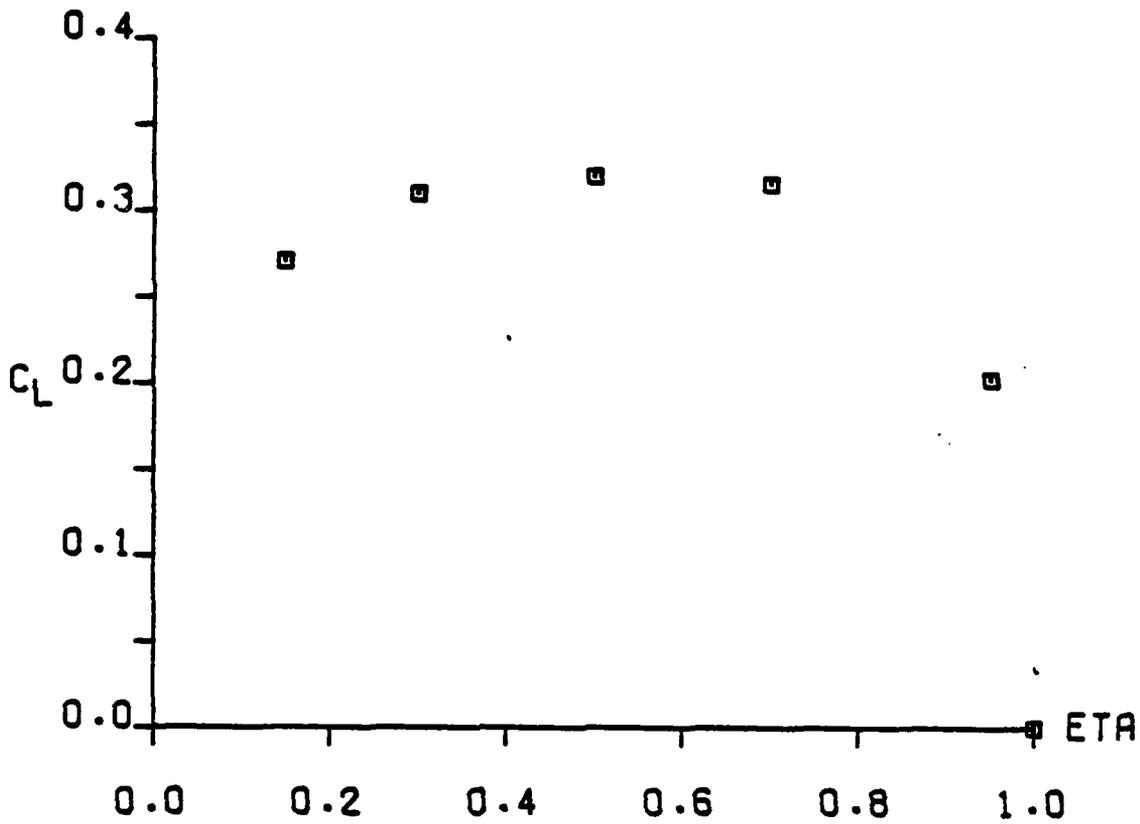
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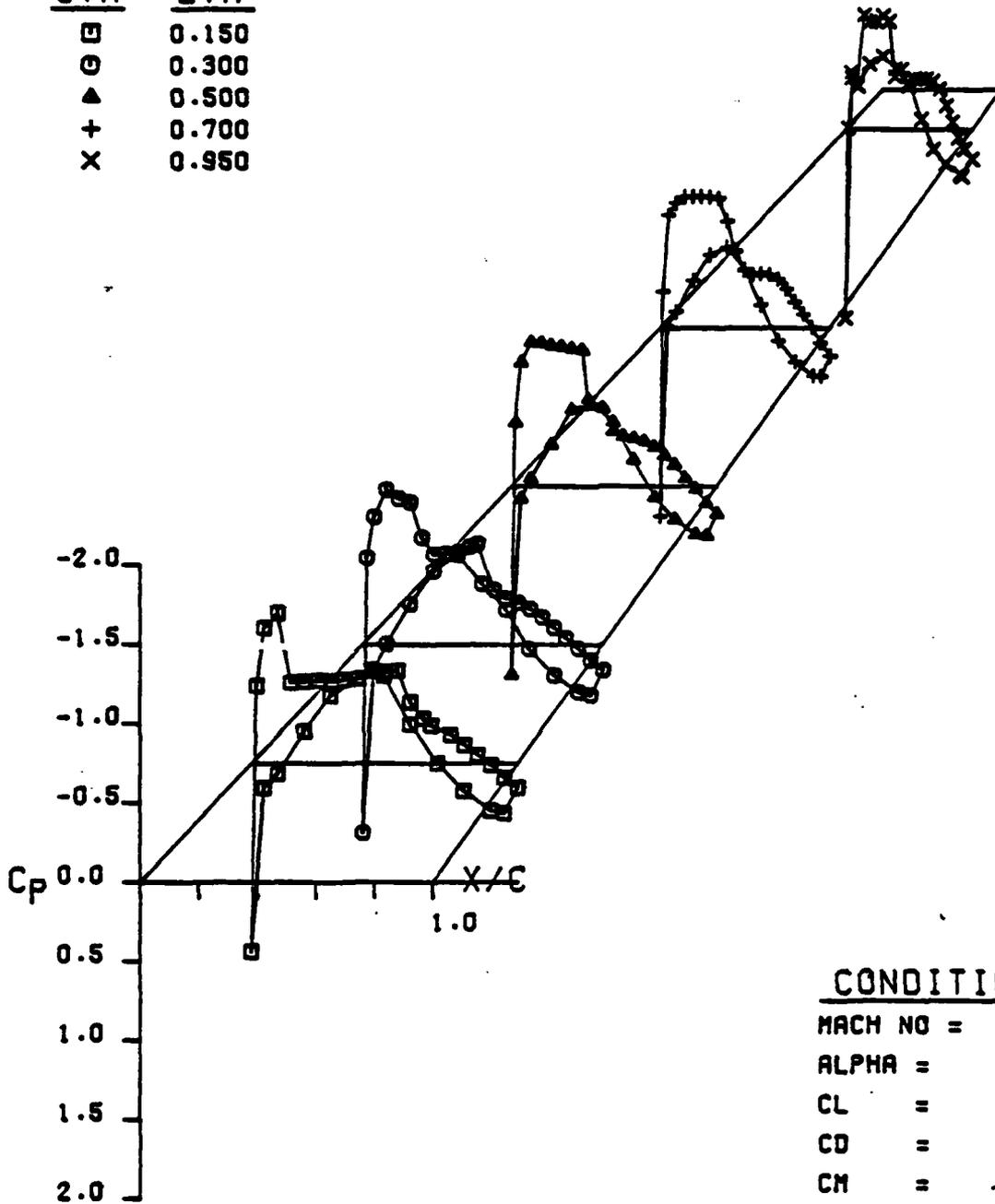
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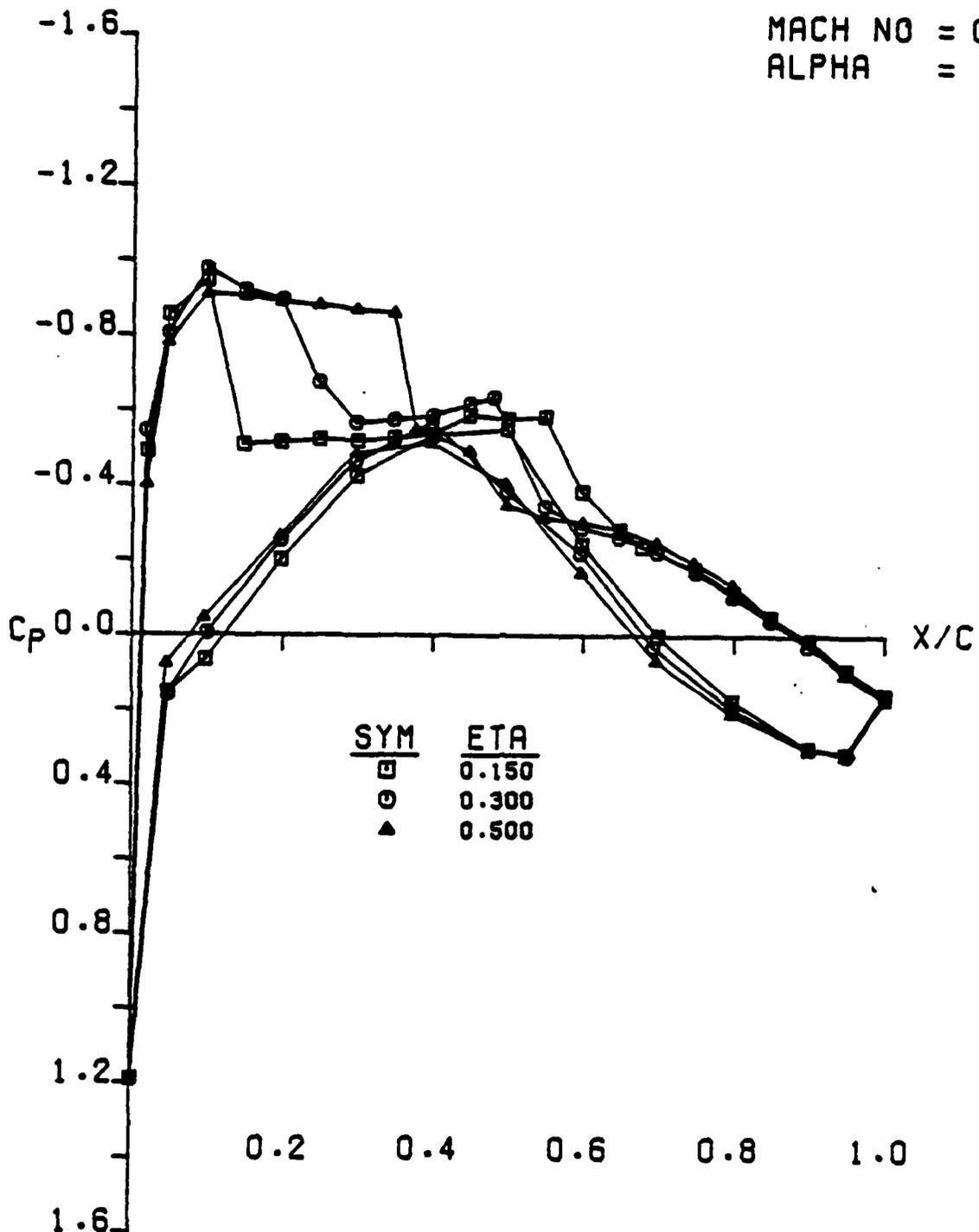
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▲	0.500
+	0.700
x	0.950



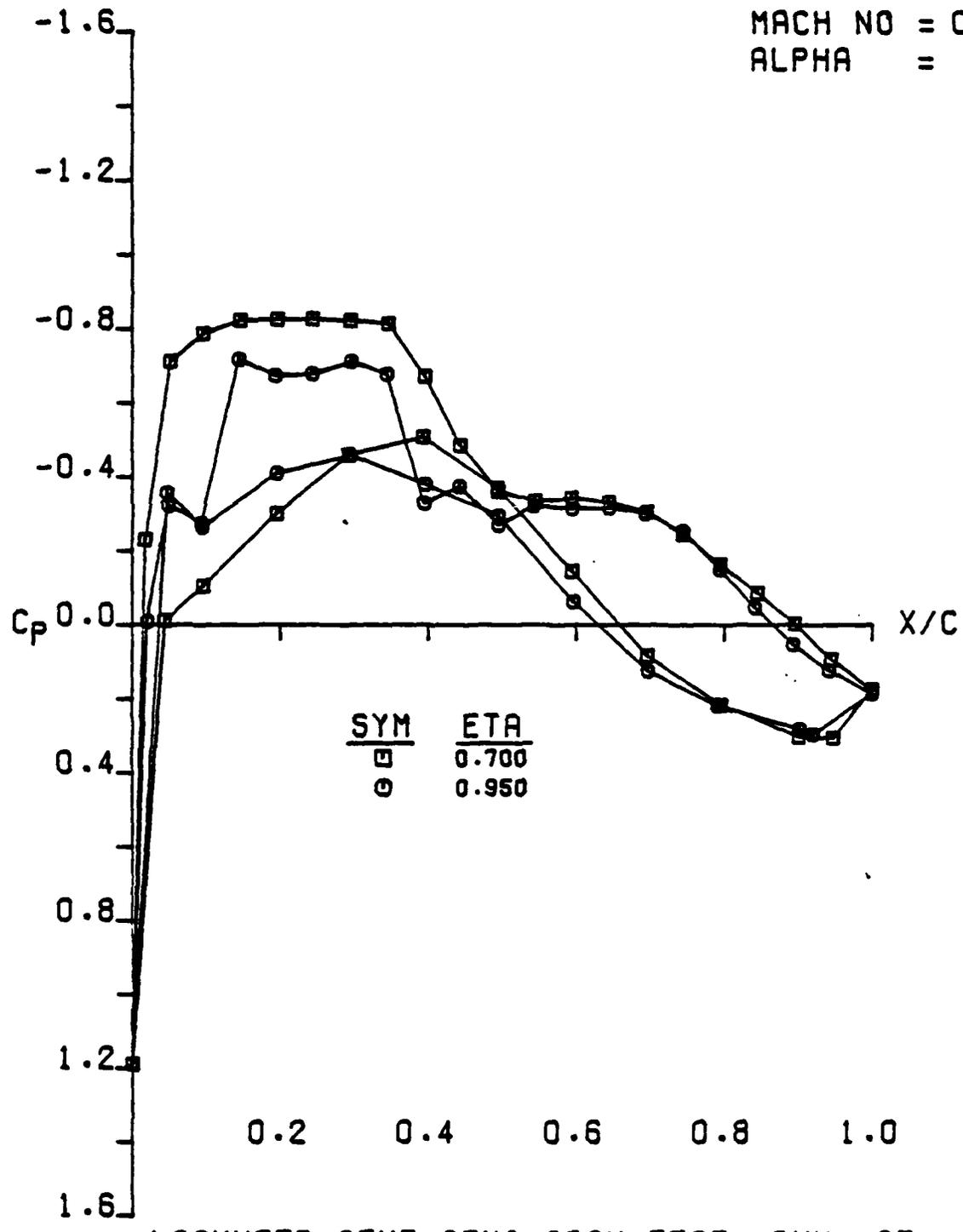
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 TITLE
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 97
TITLE
AFOSR SEMISPAN MODEL A

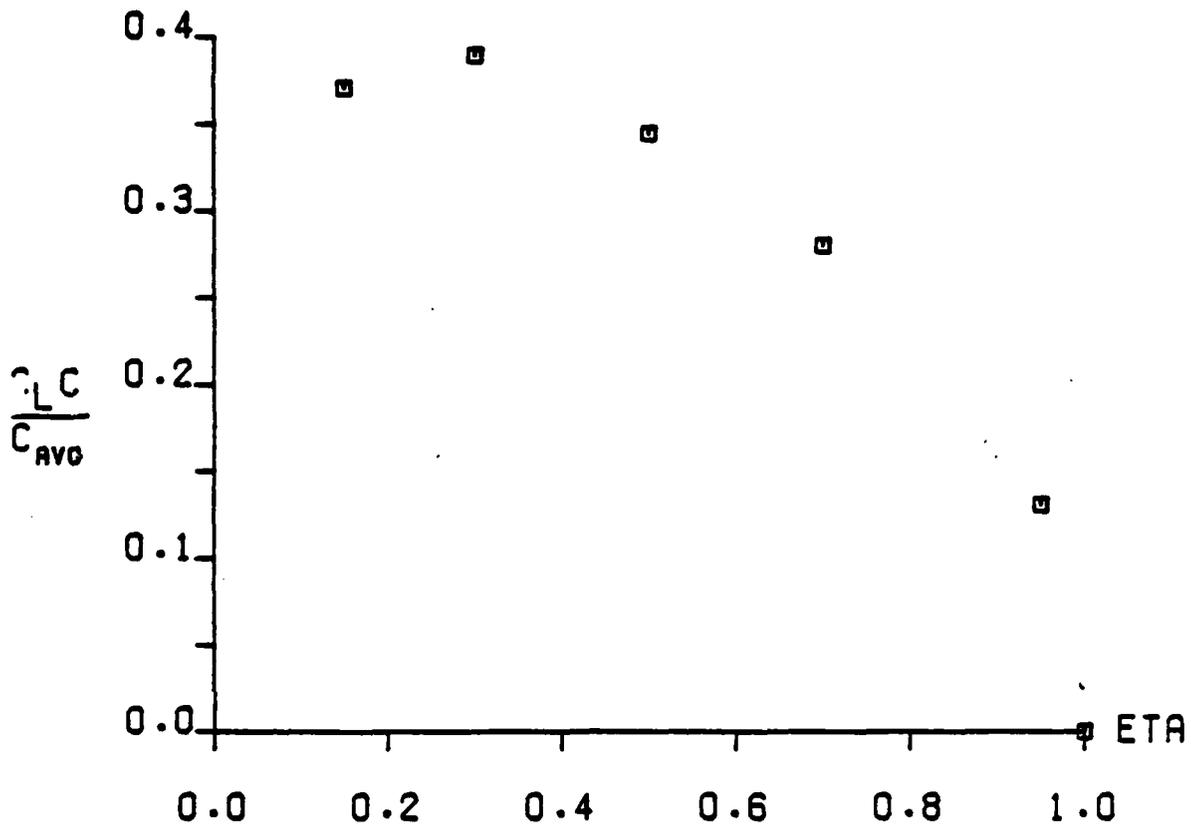
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<u>SYM</u>	<u>ETA</u>
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○	0.950

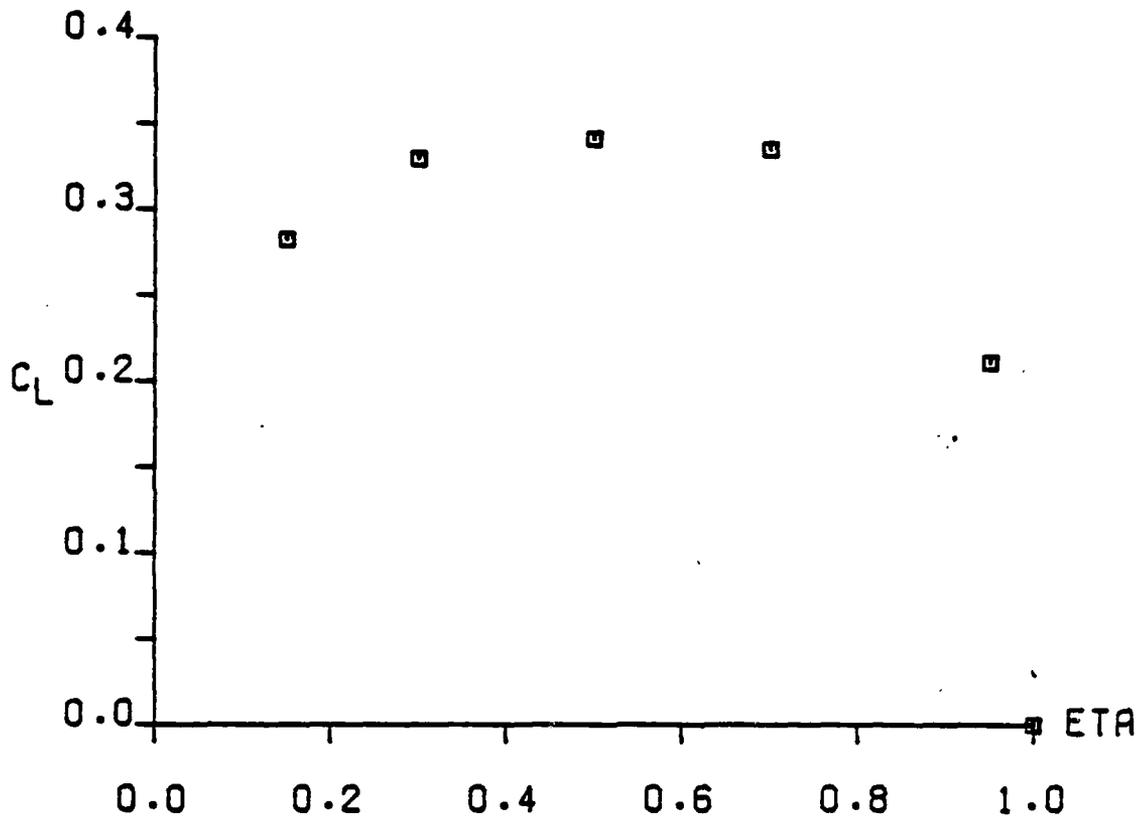
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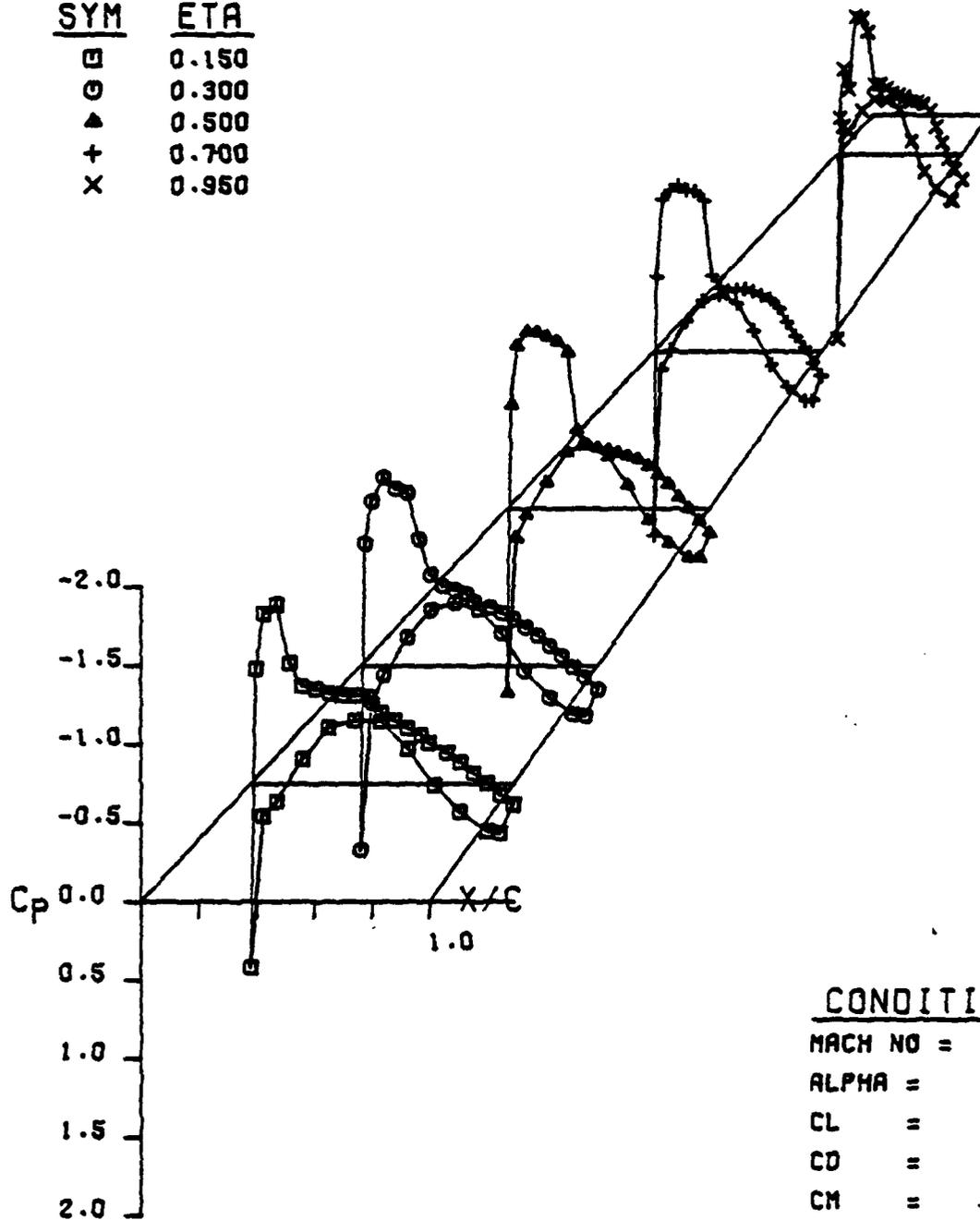
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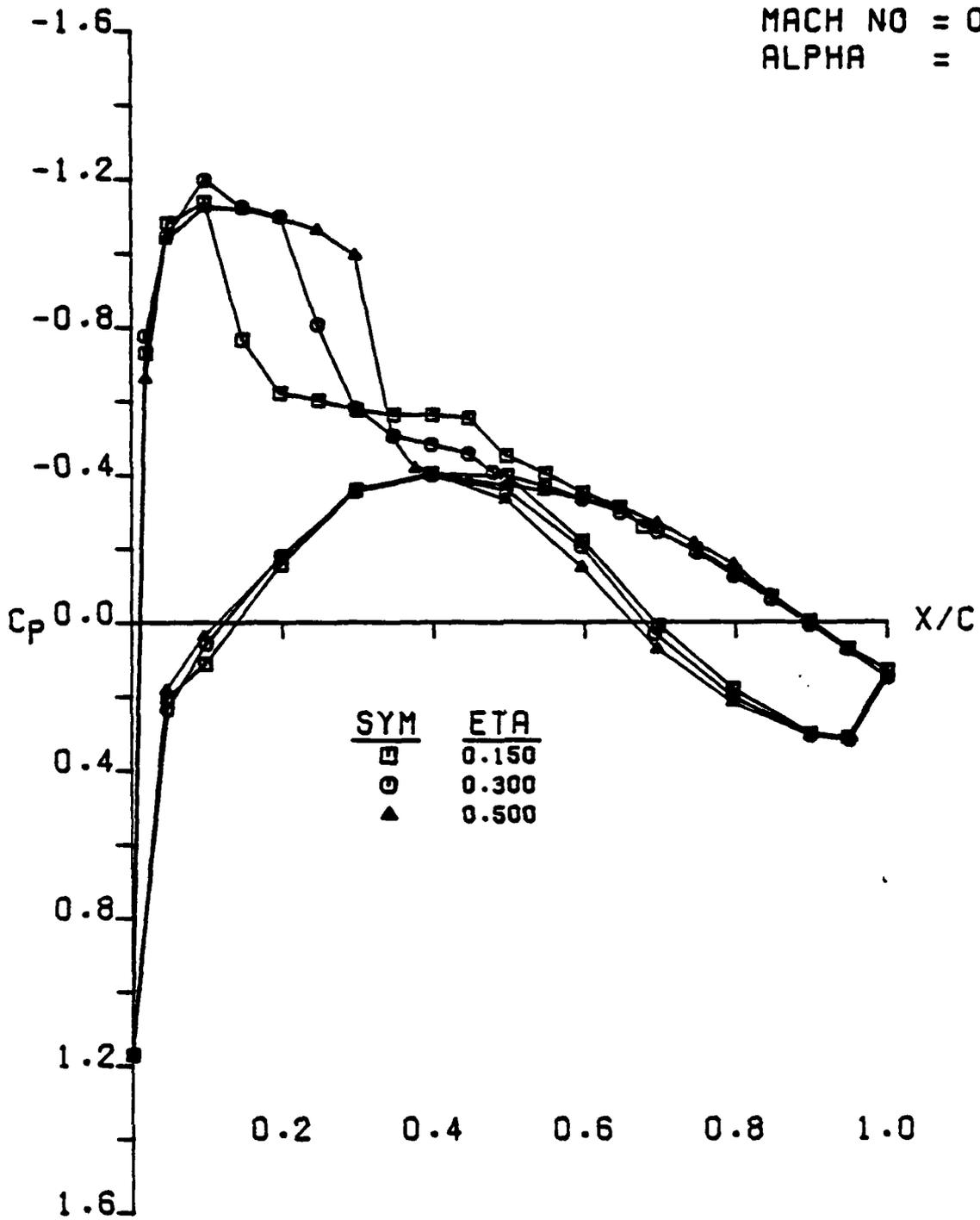
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○	0.300
▲	0.500
+	0.700
x	0.950



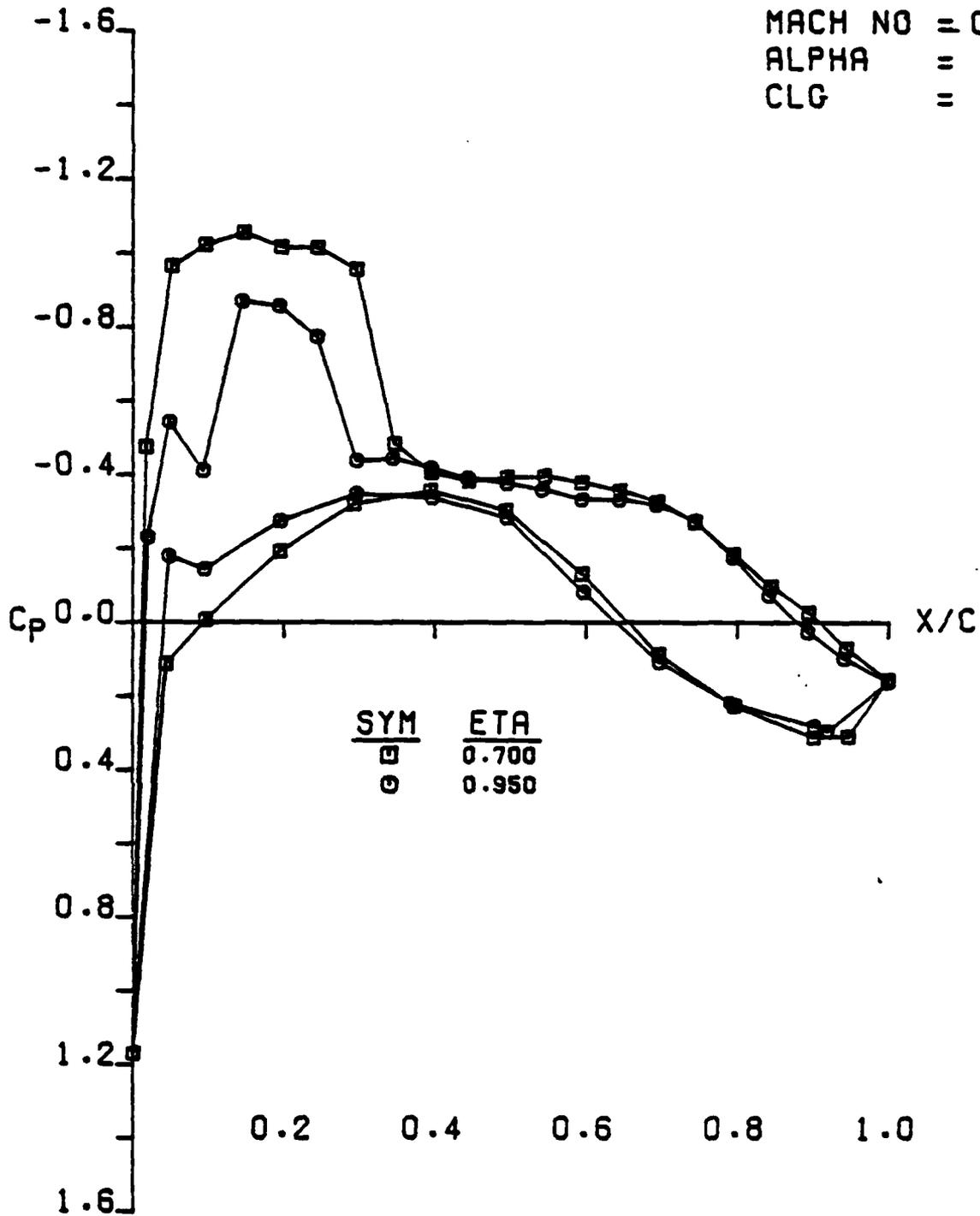
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TITLE
AFOSR SEMISPAN MODEL A

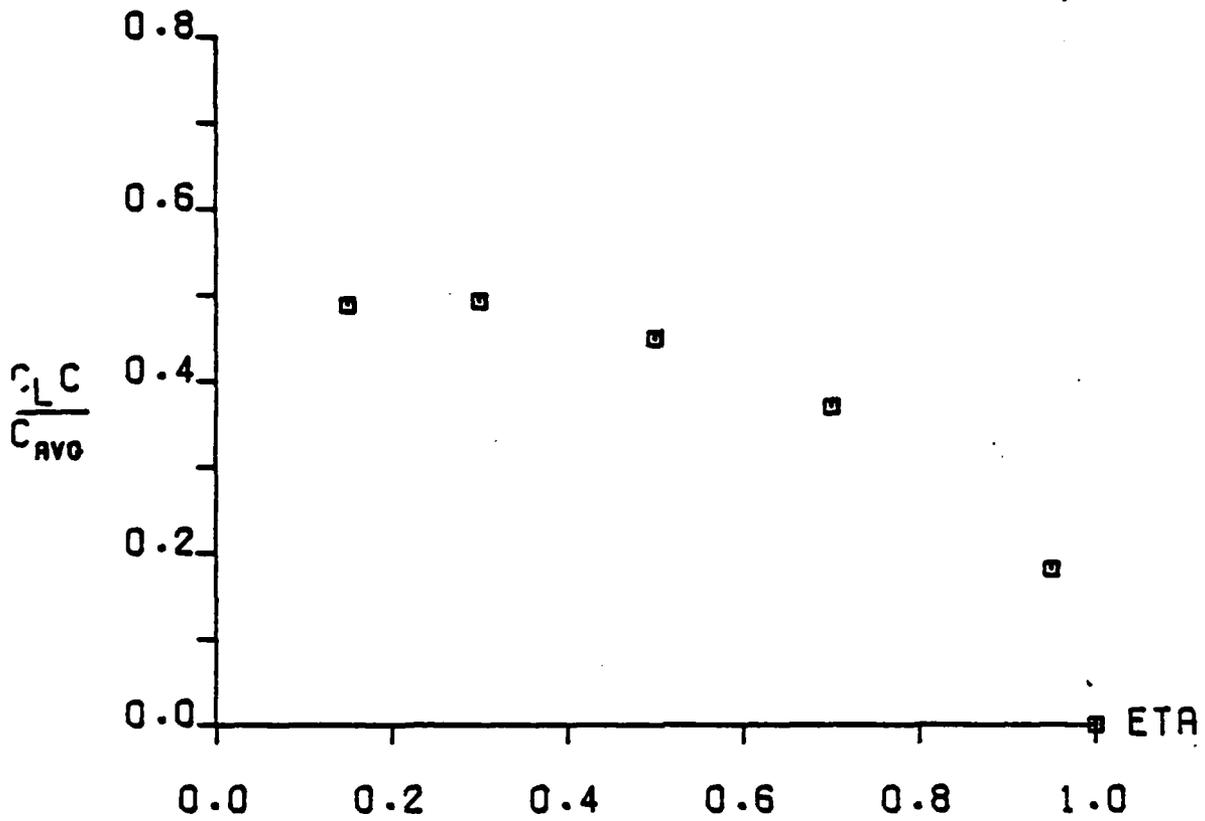
MACH NO = 0.800
 ALPHA = 1.941
 CLG = 0.417



SYM	ETA
□	0.700
○	0.950

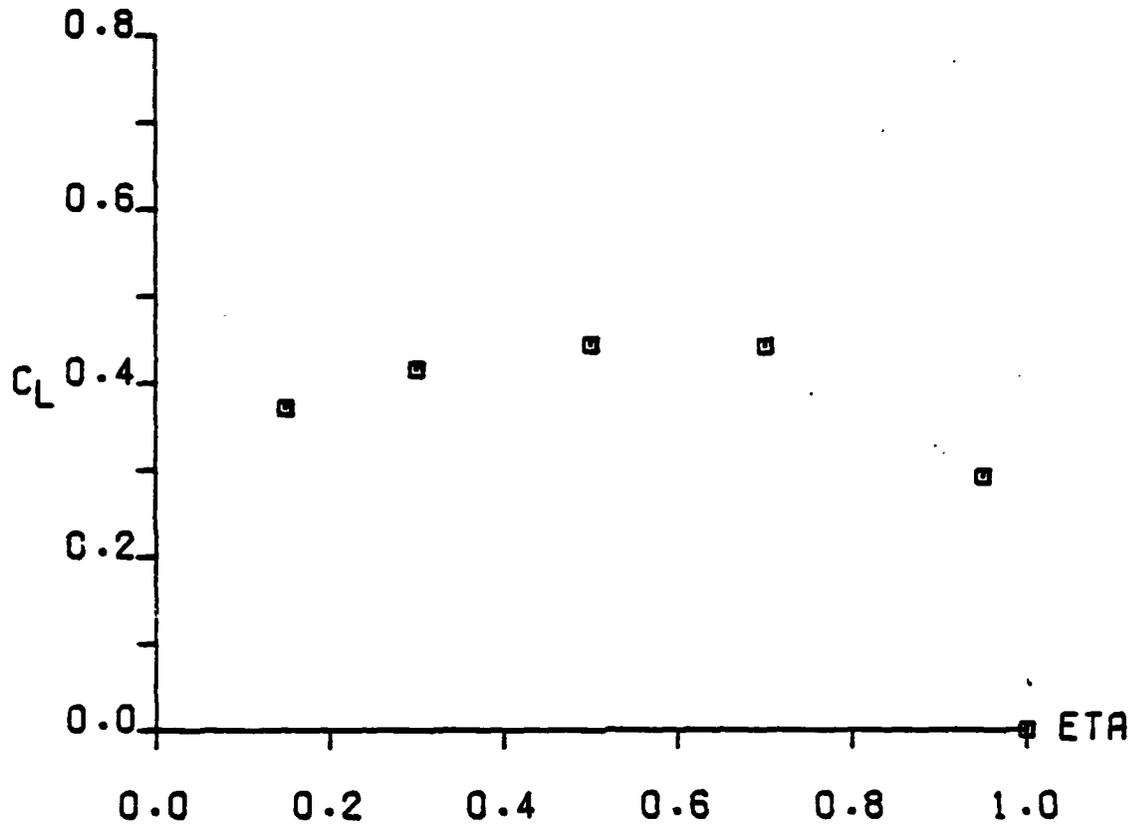
LOCKHEED CFWT SEMI-SPAN TEST, RUN 91
 TITLE
 AFOSR SEMISPAN MODEL A

MACH NO = 0.800
ALPHA = 1.941



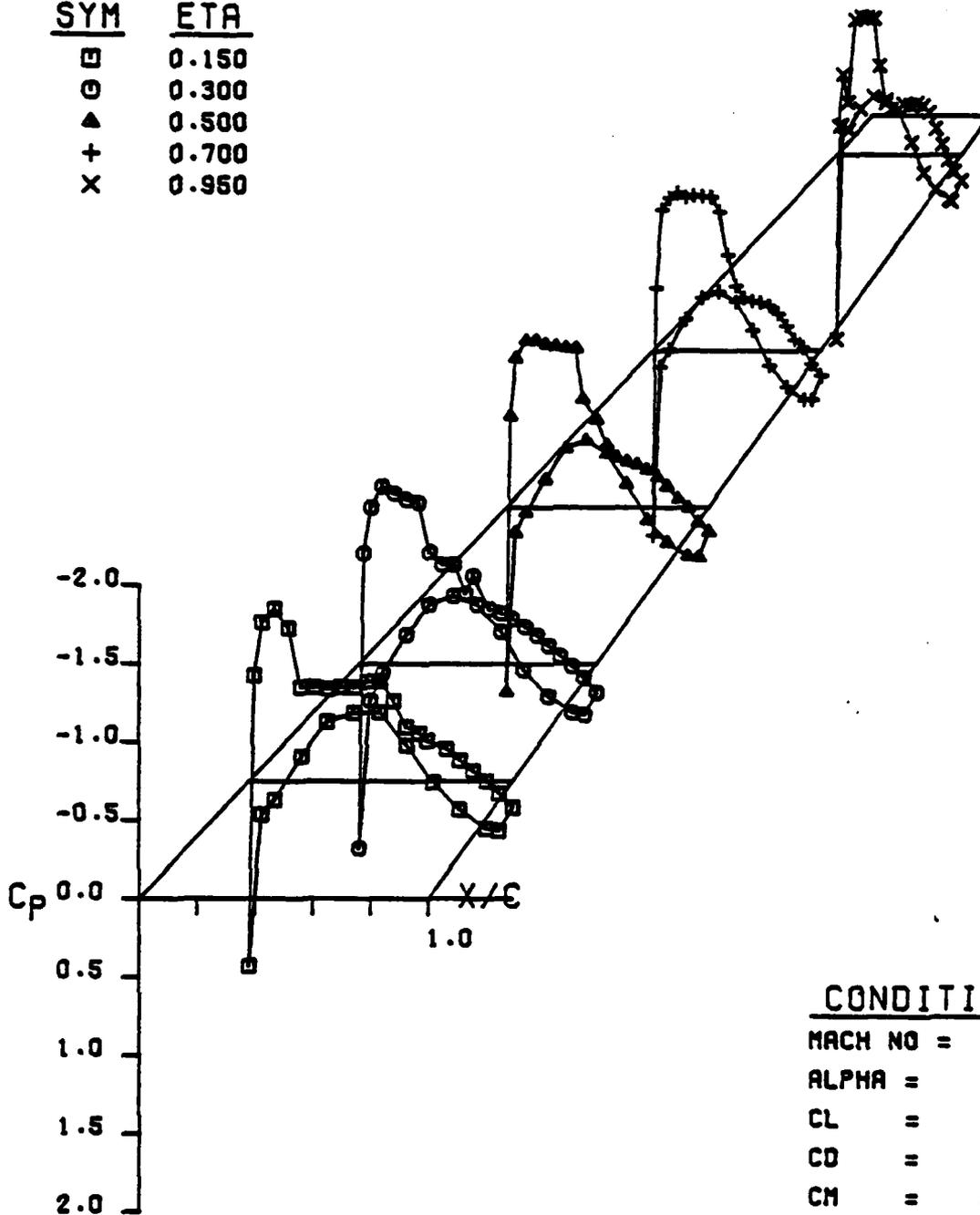
LOCKHEED CFWT SEMI-SPAN TEST, RUN 91
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.800
ALPHA = 1.941



LOCKHEED CFWT SEMI-SPAN TEST, RUN 91
TITLE
AFOSR SEMISPAN MODEL A

<u>SYM</u>	<u>ETA</u>
□	0.150
○	0.300
▲	0.500
+	0.700
x	0.950

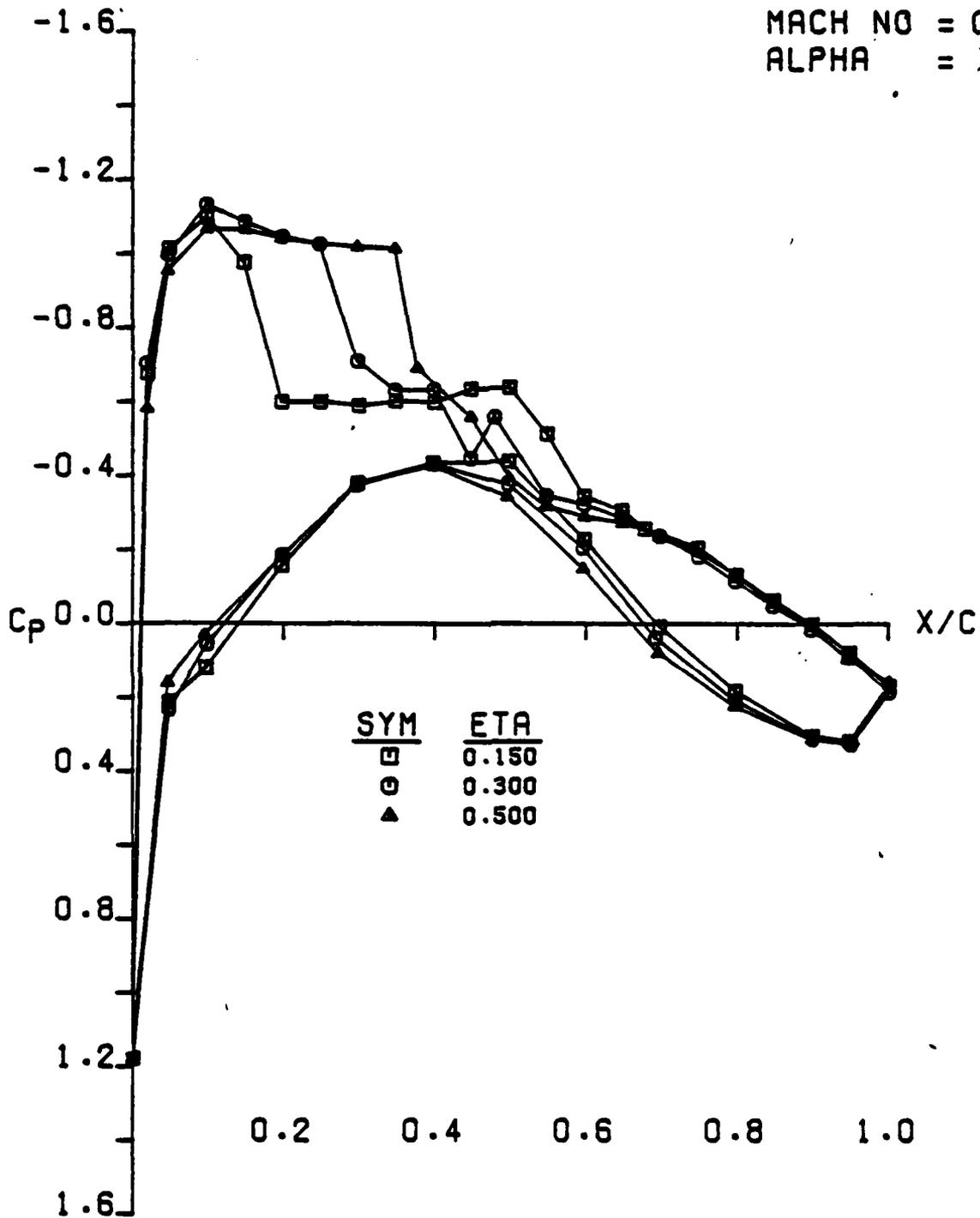


CONDITIONS

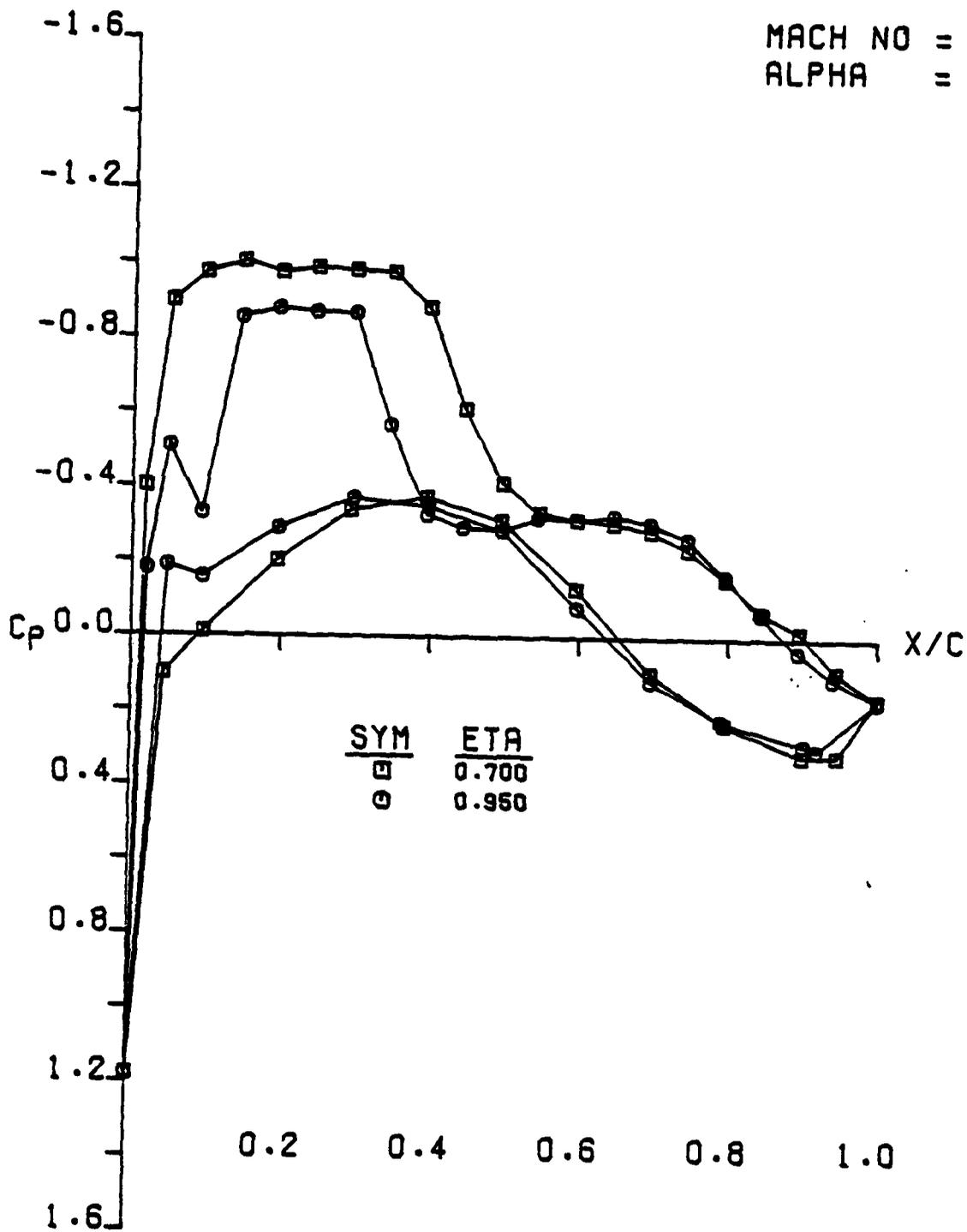
MACH NO =	0.819
ALPHA =	1.960
CL =	0.421
CD =	0.0277
CM =	-0.048

LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 TITLE
 AFOSR SEMISPAN MODEL A

MACH NO = 0.819
ALPHA = 1.960

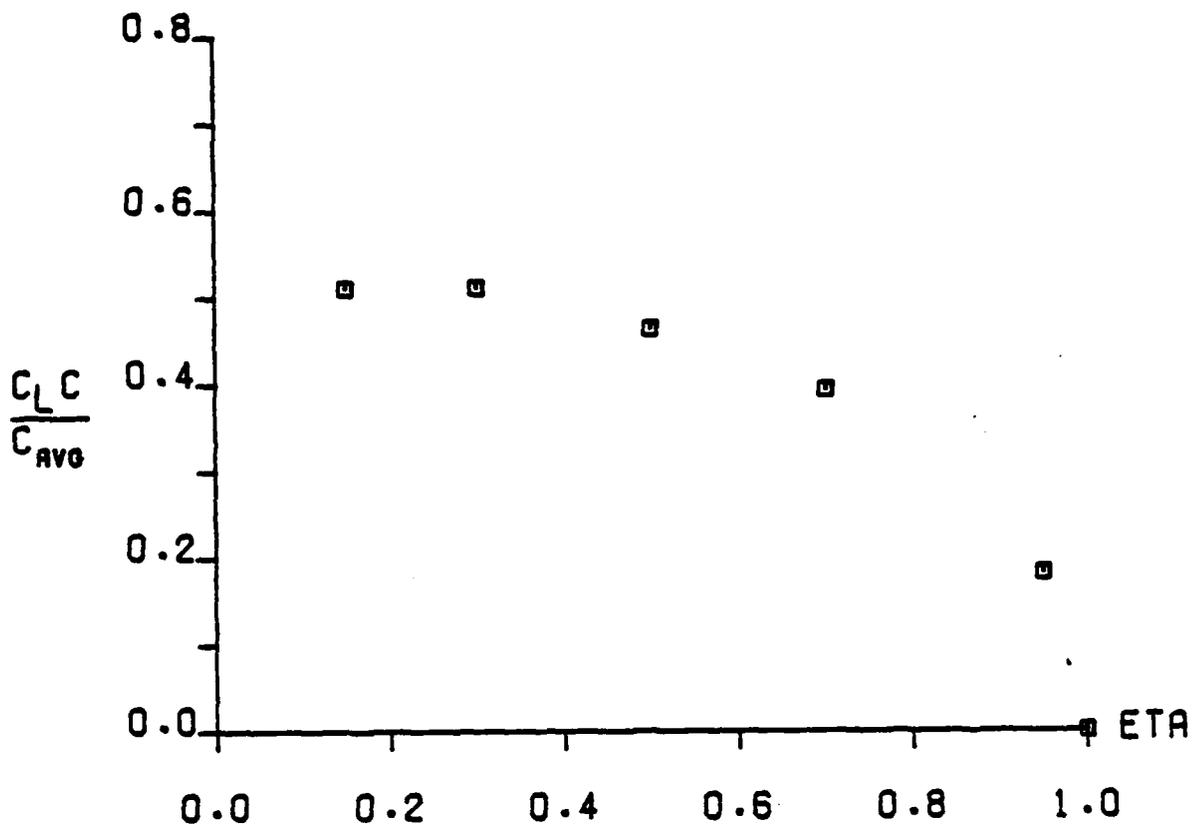


LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
TITLE
AFOSR SEMISPAN MODEL A



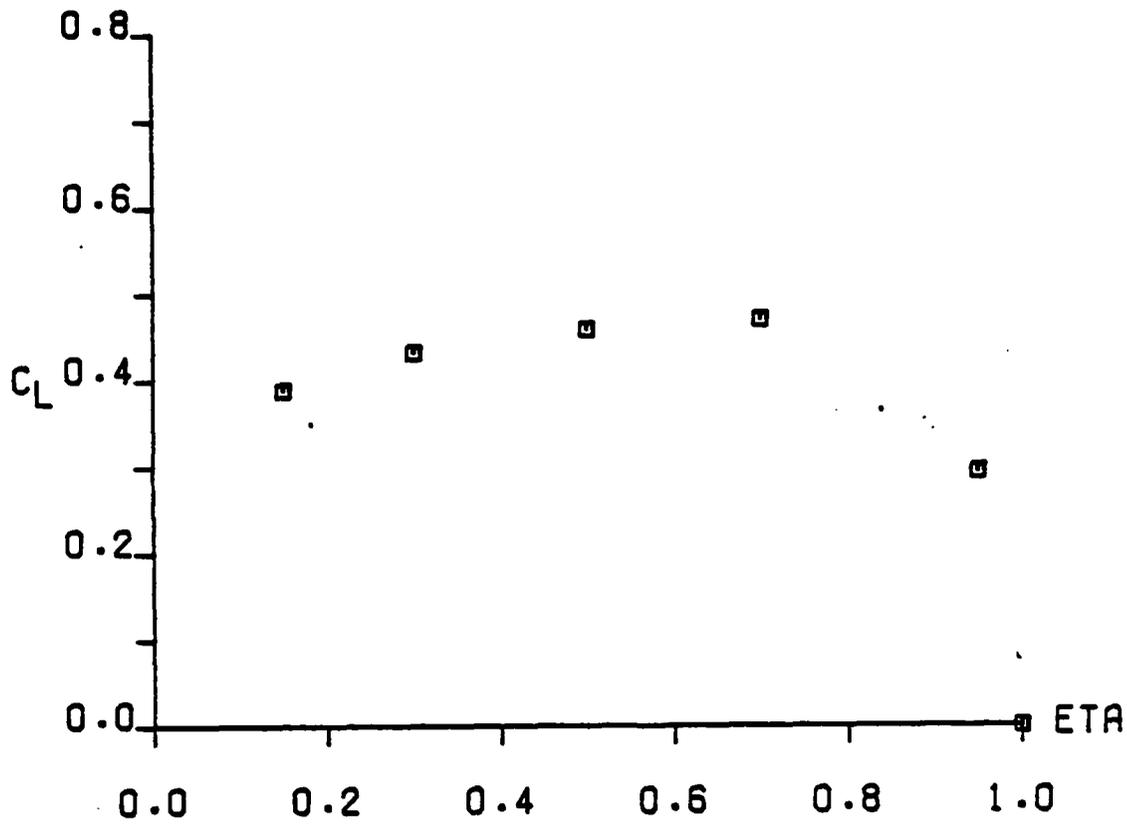
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.819
ALPHA = 1.960



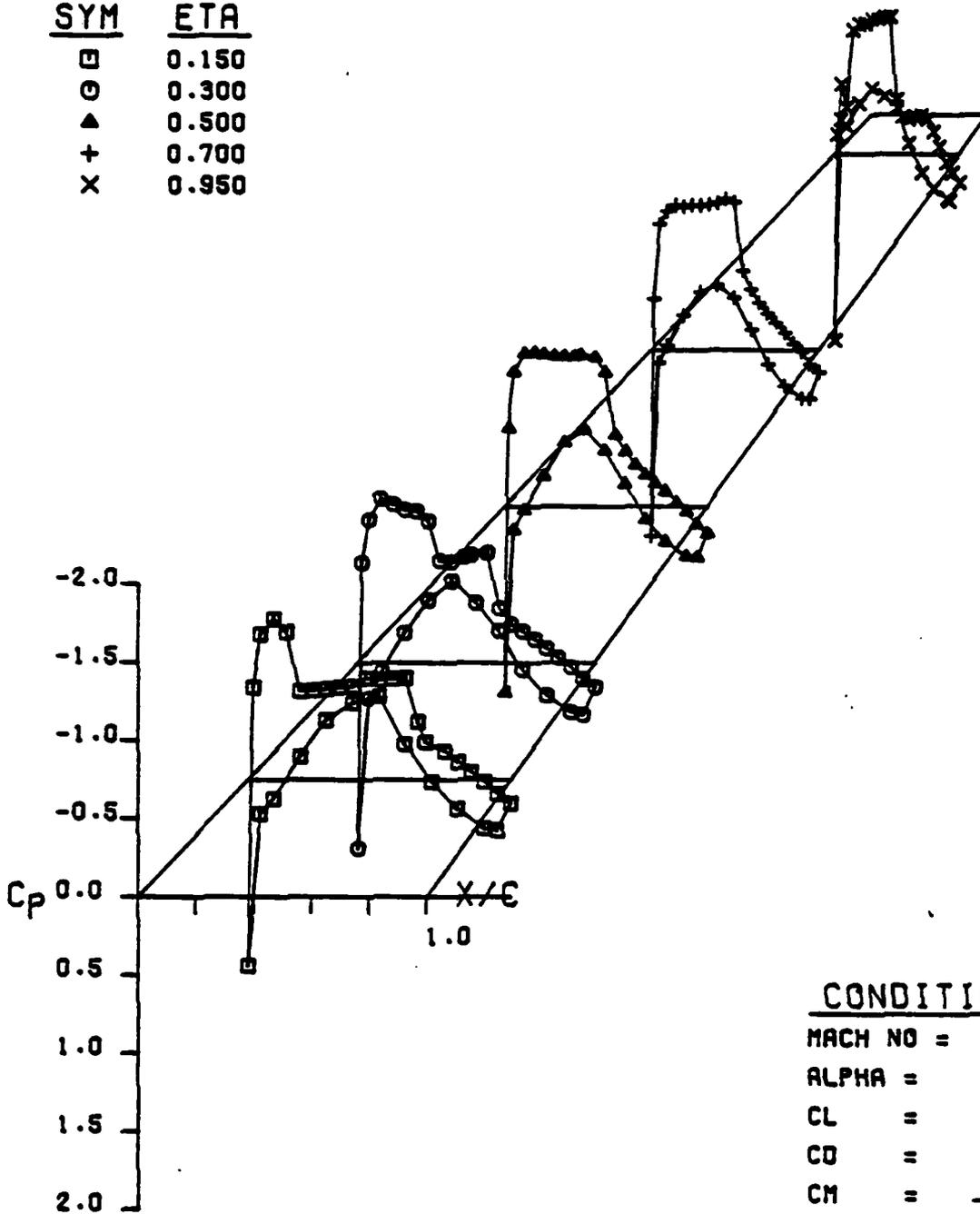
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.819
ALPHA = 1.960

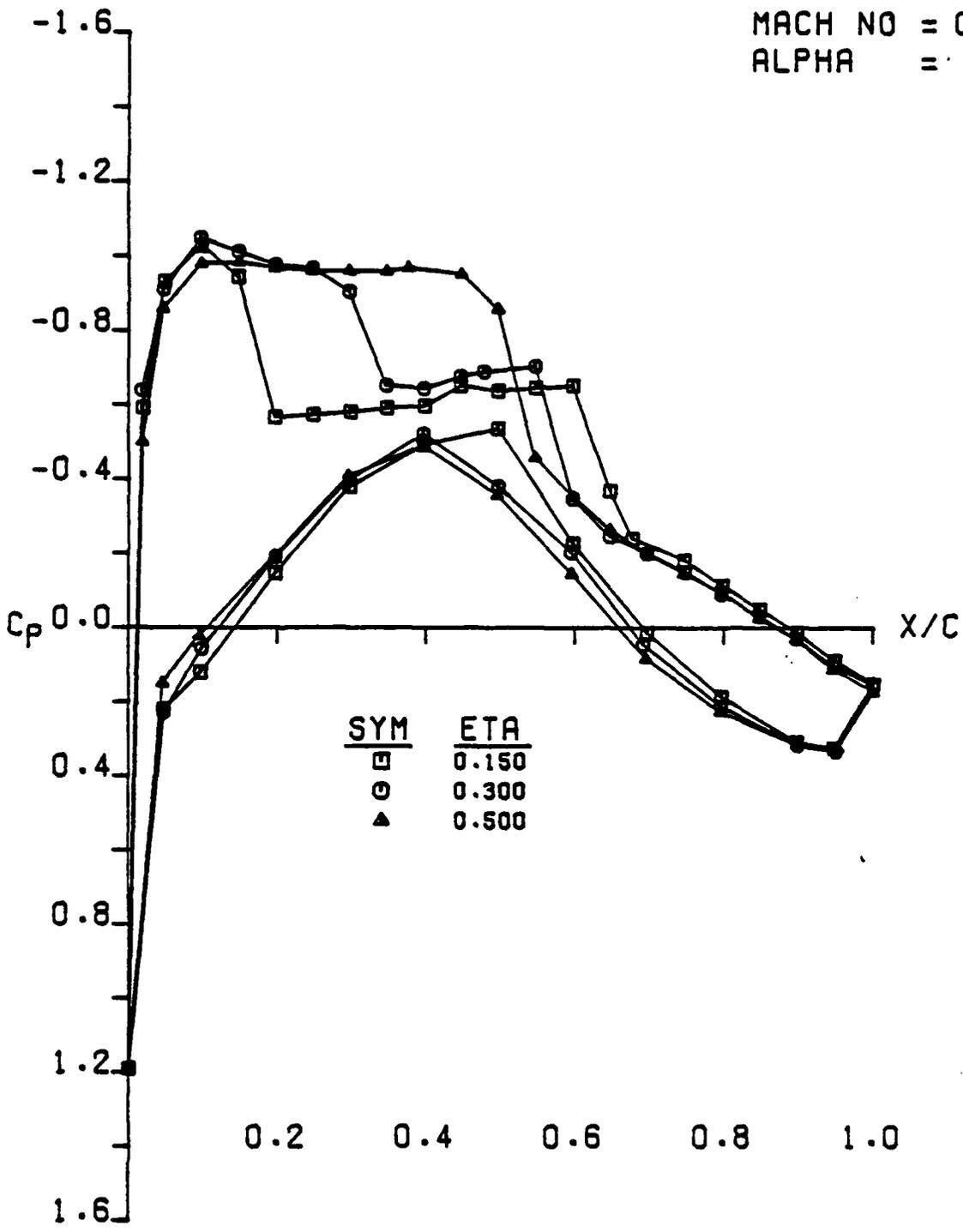


LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
TITLE
AFOSR SEMISPAN MODEL A

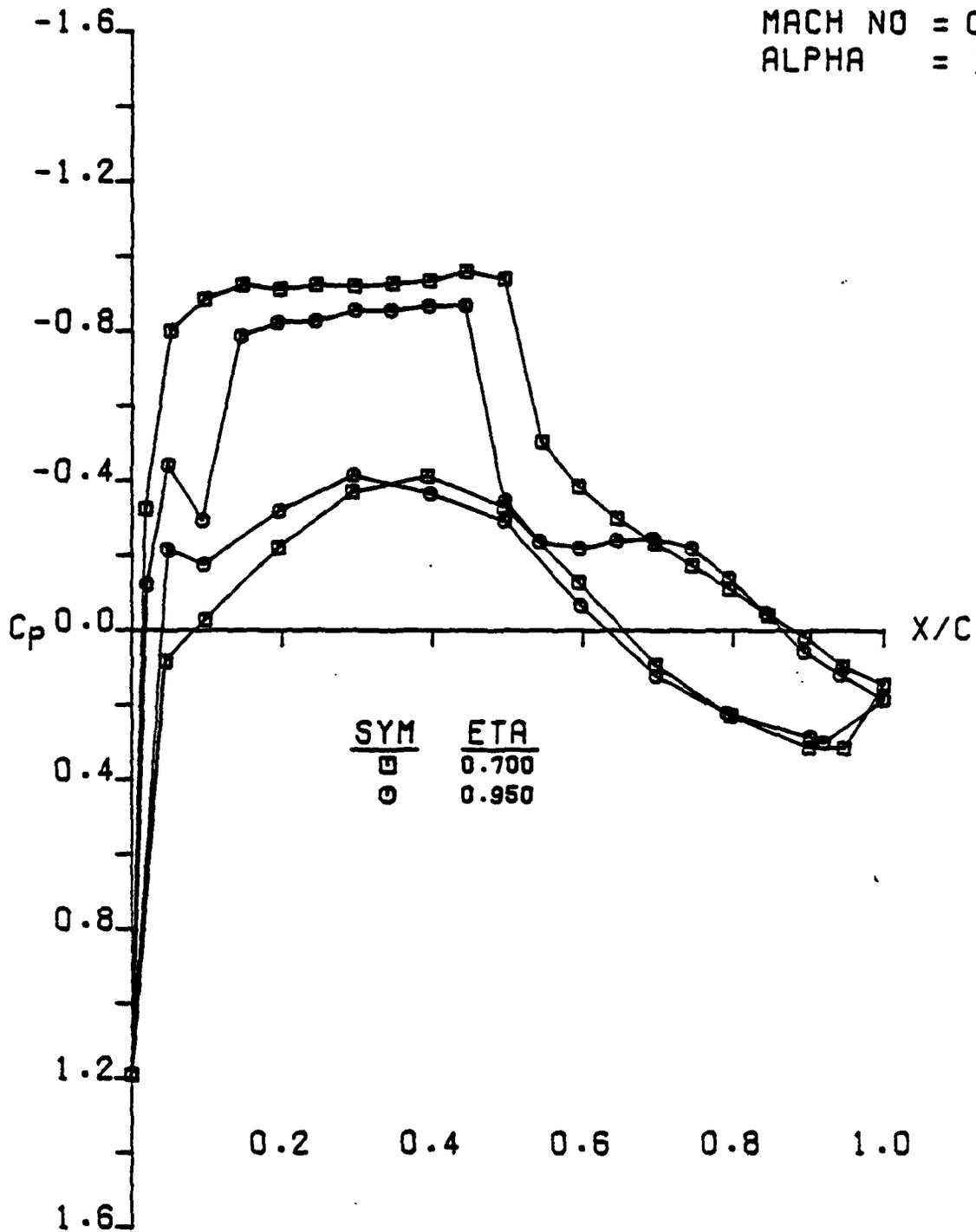
<u>SYM</u>	<u>ETA</u>
□	0.150
○	0.300
▲	0.500
+	0.700
x	0.950



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 TITLE
 AFOSR SEMISPAN MODEL A

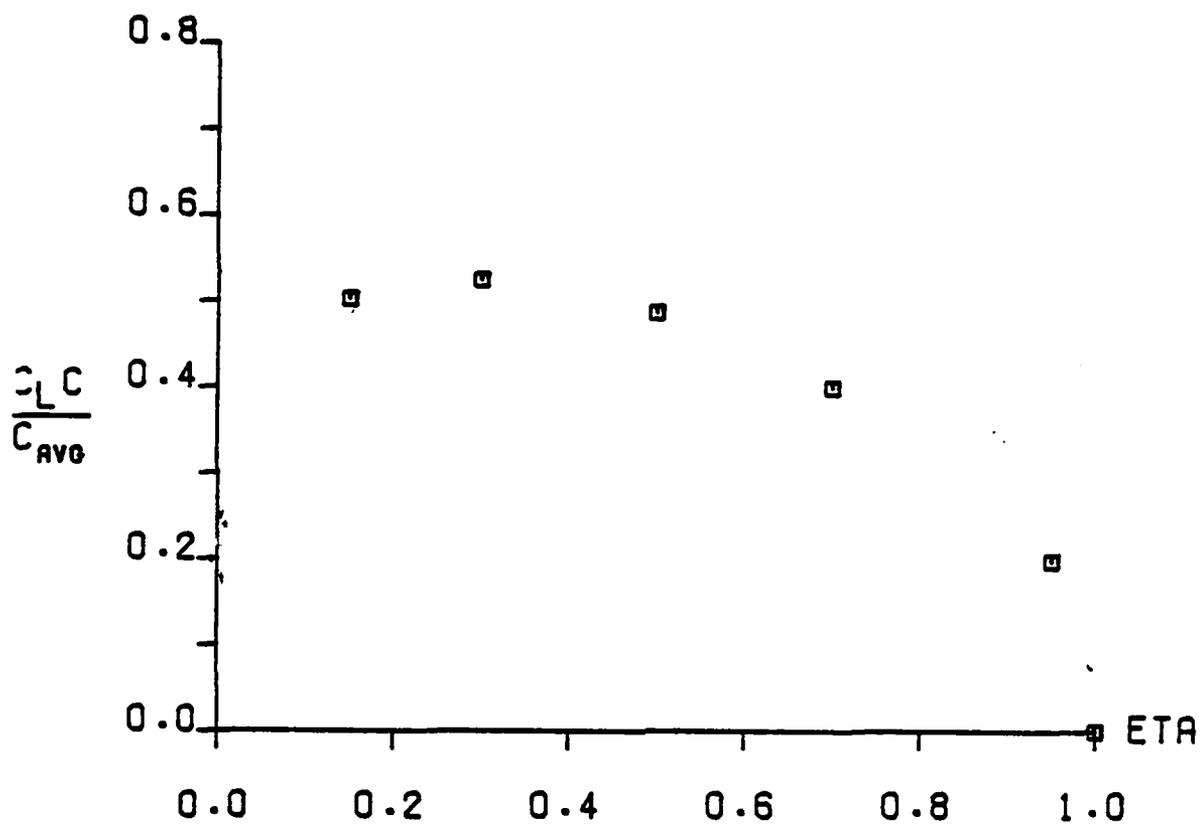


LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
TITLE
AFOSR SEMISPAN MODEL A



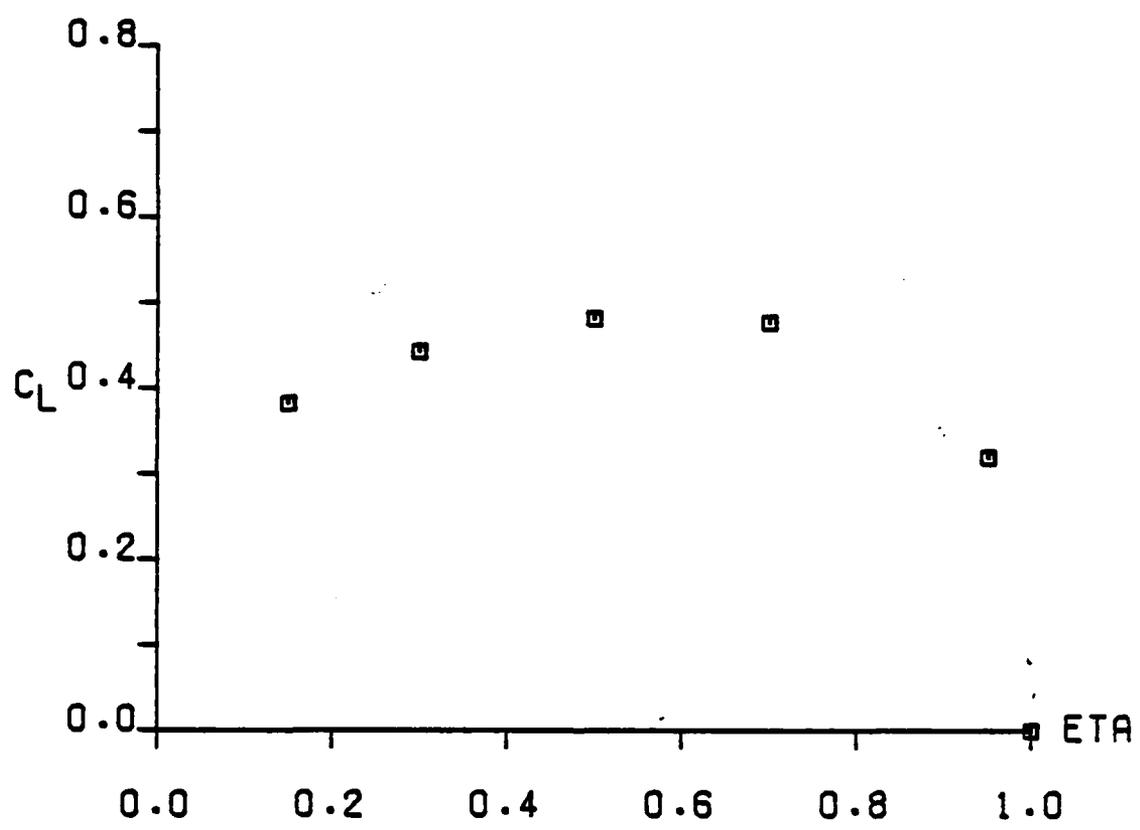
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 TITLE
 AFOSR SEMISPAN MODEL A

MACH NO = 0.842
ALPHA = 1.937



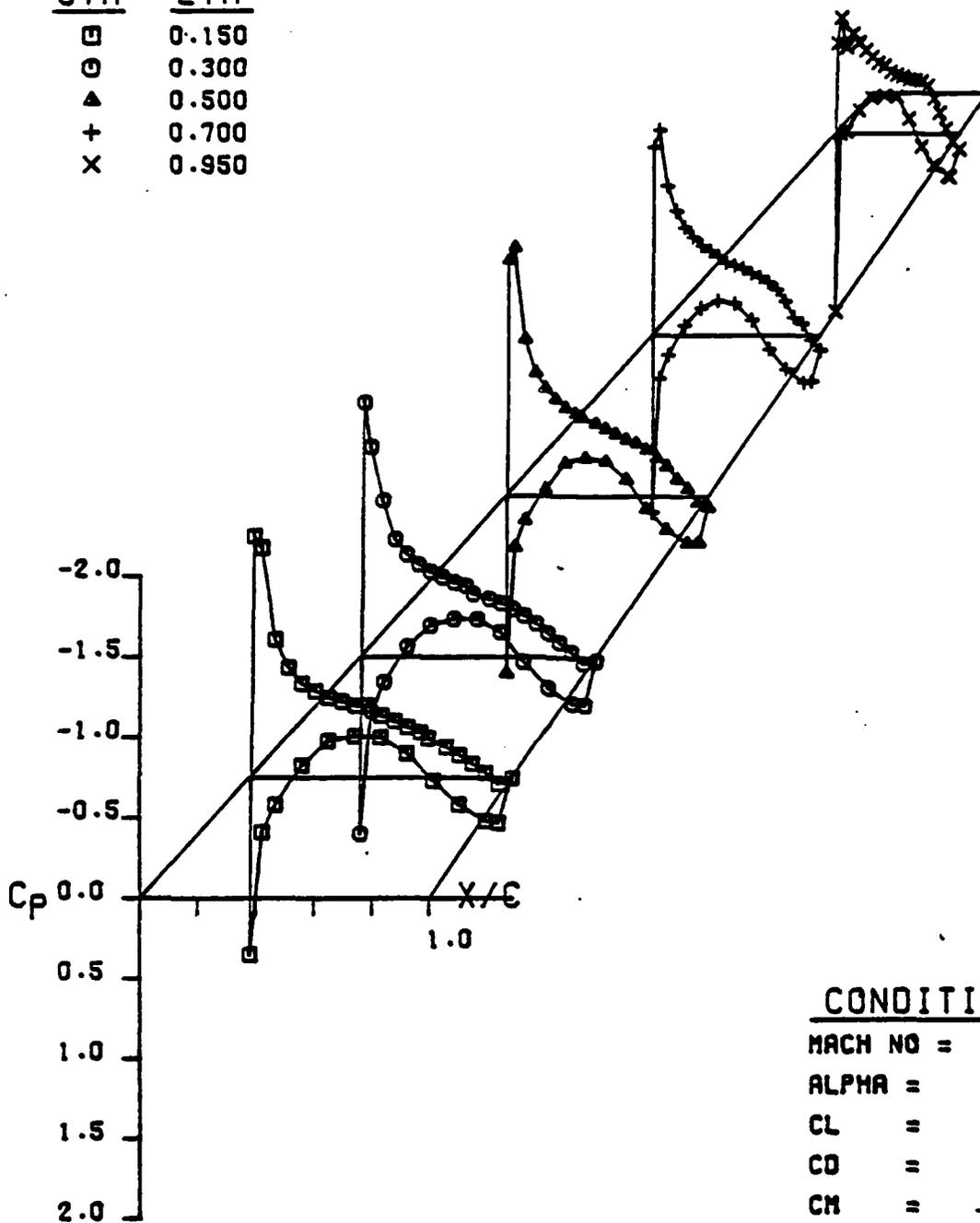
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.842
ALPHA = 1.937



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
TITLE
AFOSR SEMISPAN MODEL A

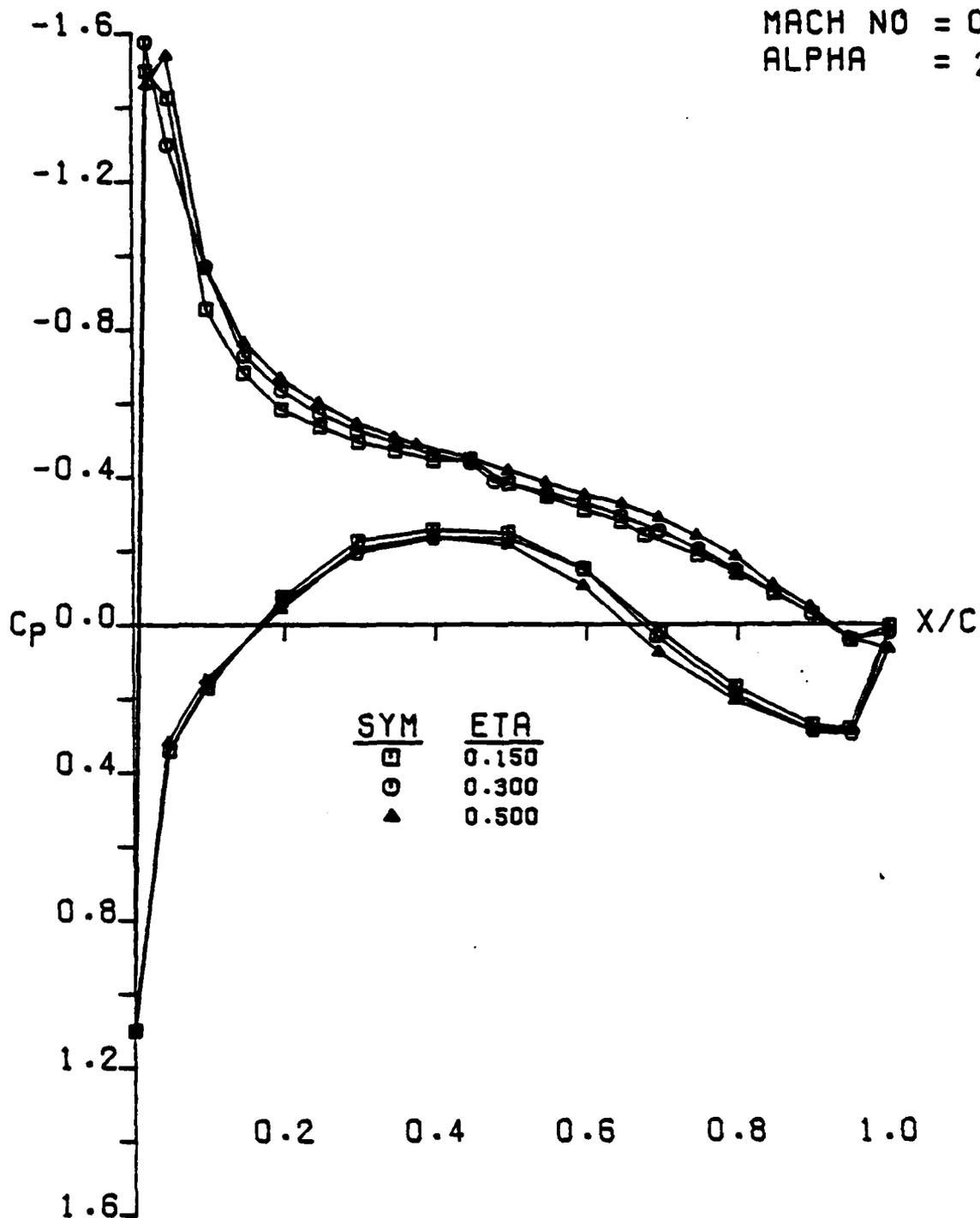
<u>SYM</u>	<u>ETA</u>
□	0.150
○	0.300
▲	0.500
+	0.700
x	0.950



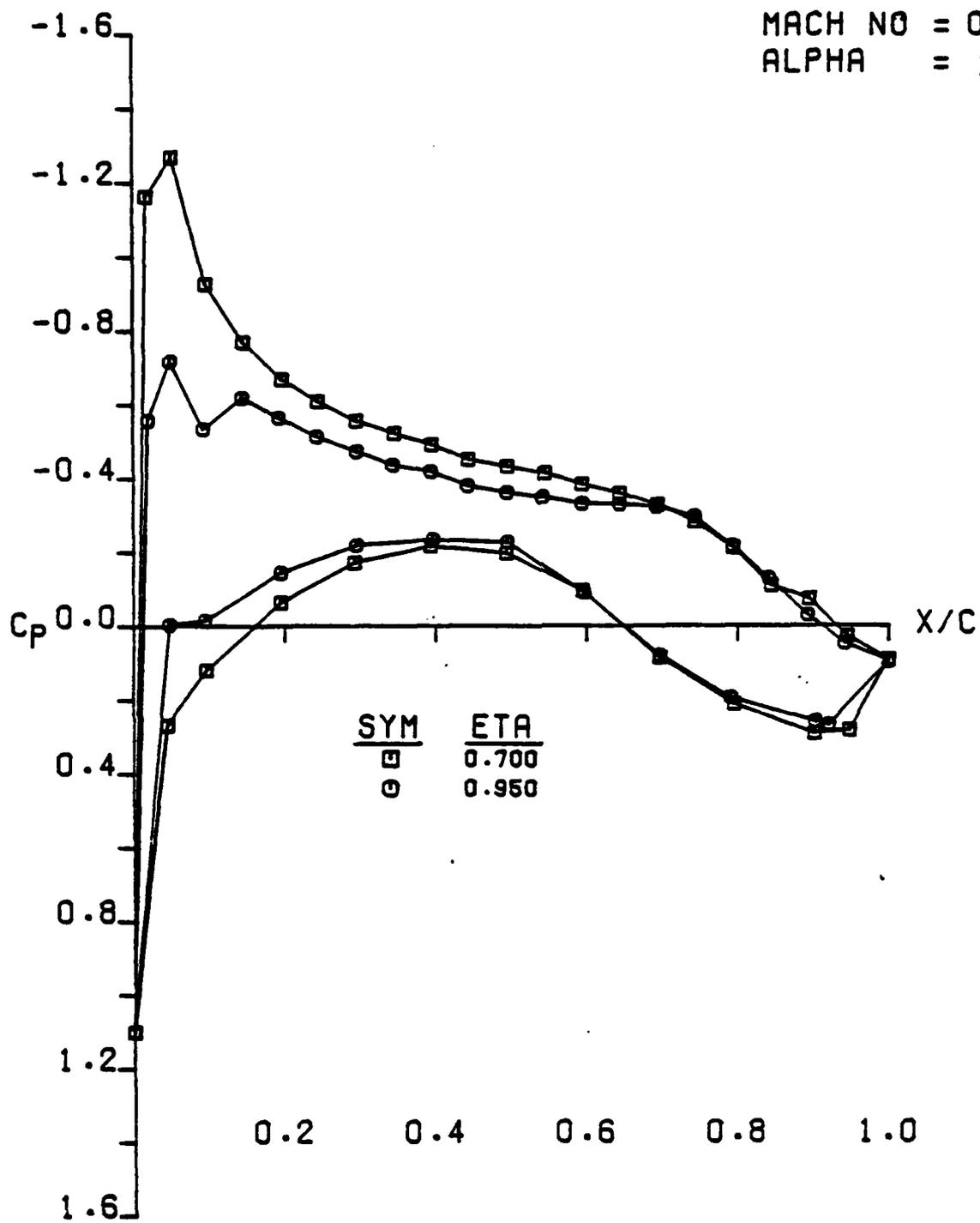
<u>CONDITIONS</u>	
MACH NO =	0.622
ALPHA =	2.976
CL =	0.451
CD =	0.0232
CM =	-0.042

LOCKHEED CFWT SEMI-SPAN TEST, RUN 18
 TITLE
 AFOSR SEMISPAN MODEL A

MACH NO = 0.622
ALPHA = 2.976°

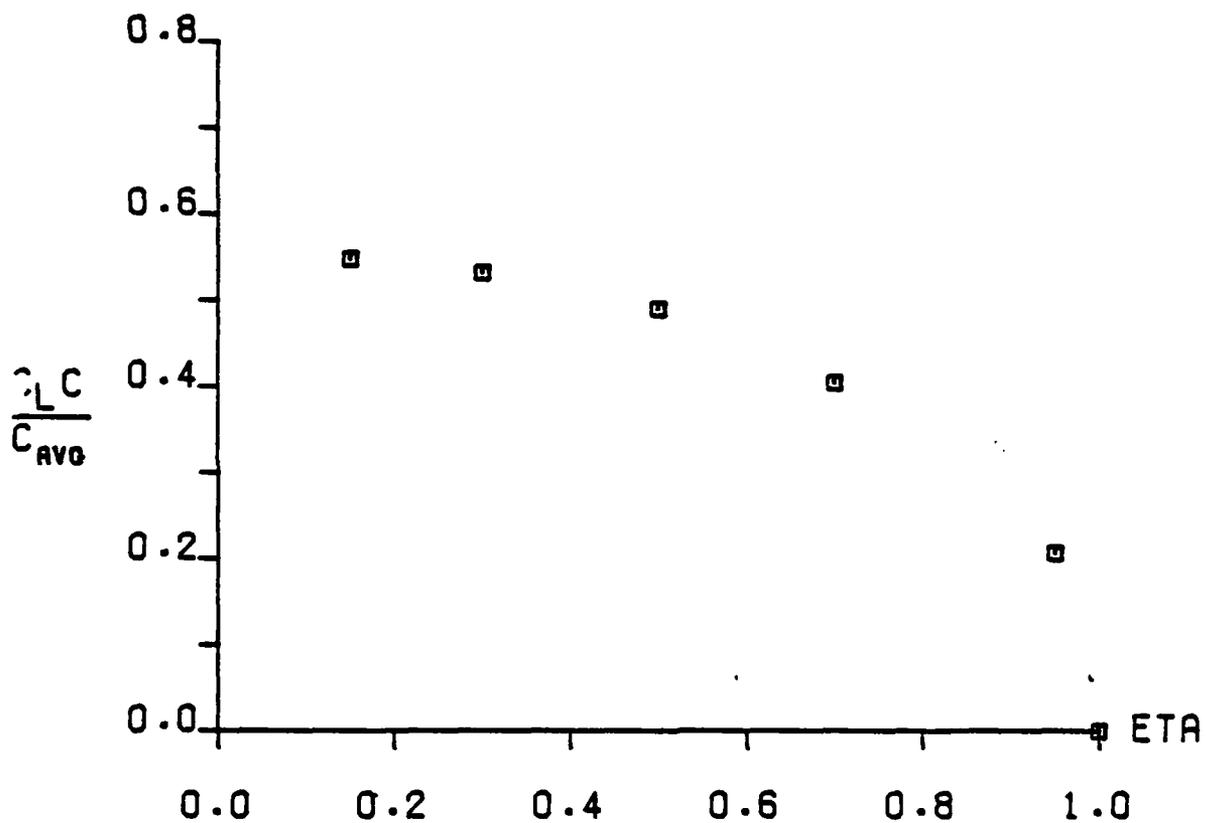


LOCKHEED CFWT SEMI-SPAN TEST, RUN 18
TITLE
AFOSR SEMISPAN MODEL A



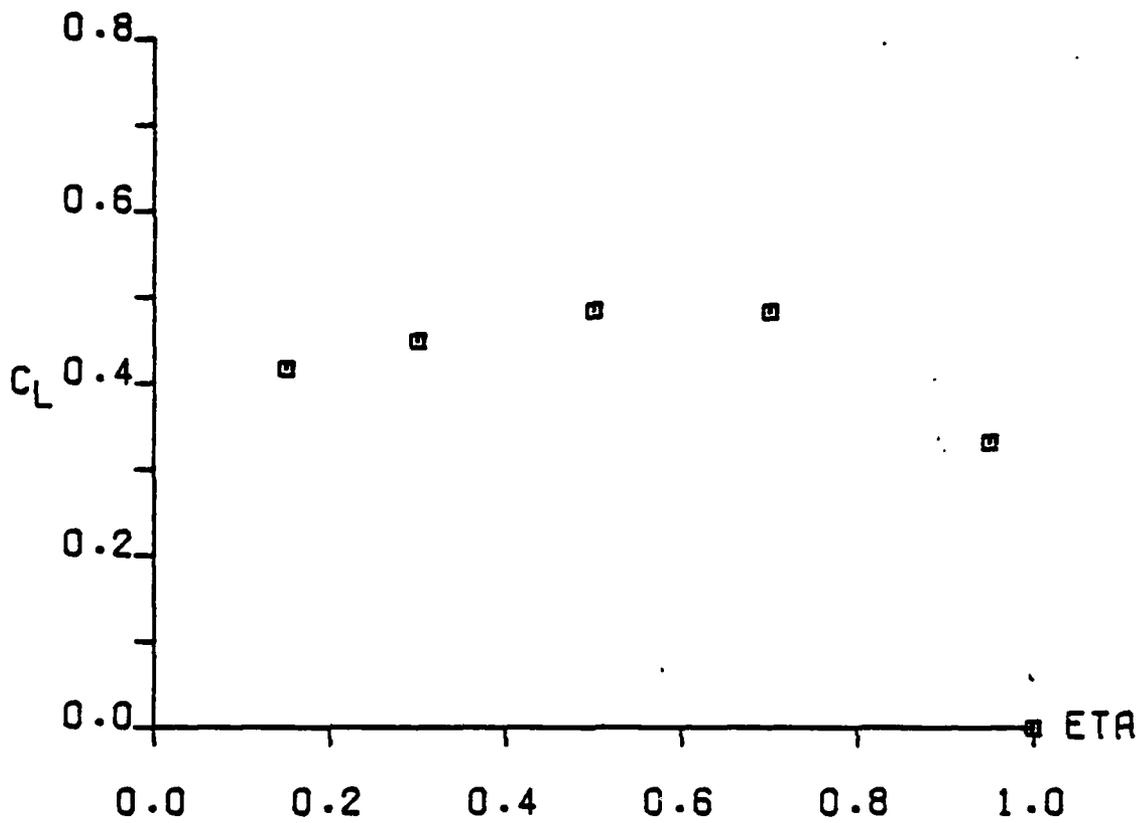
LOCKHEED CFWT SEMI-SPAN TEST, RUN 18
 TITLE
 AFOSR SEMISPAN MODEL A

MACH NO = 0.622
ALPHA = 2.9761

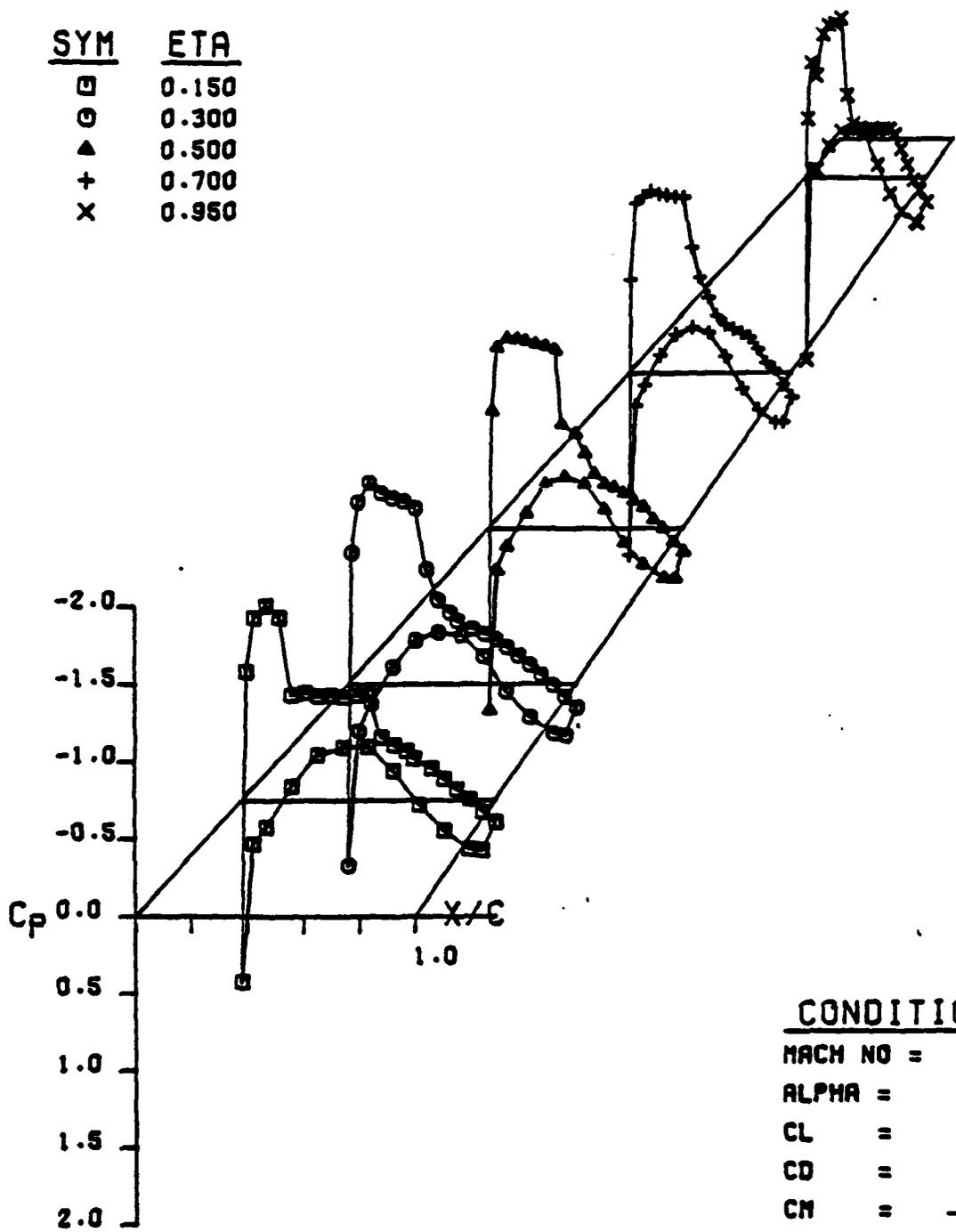


LOCKHEED CFWT SEMI-SPAN TEST, RUN 18
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.622
ALPHA = 2.976

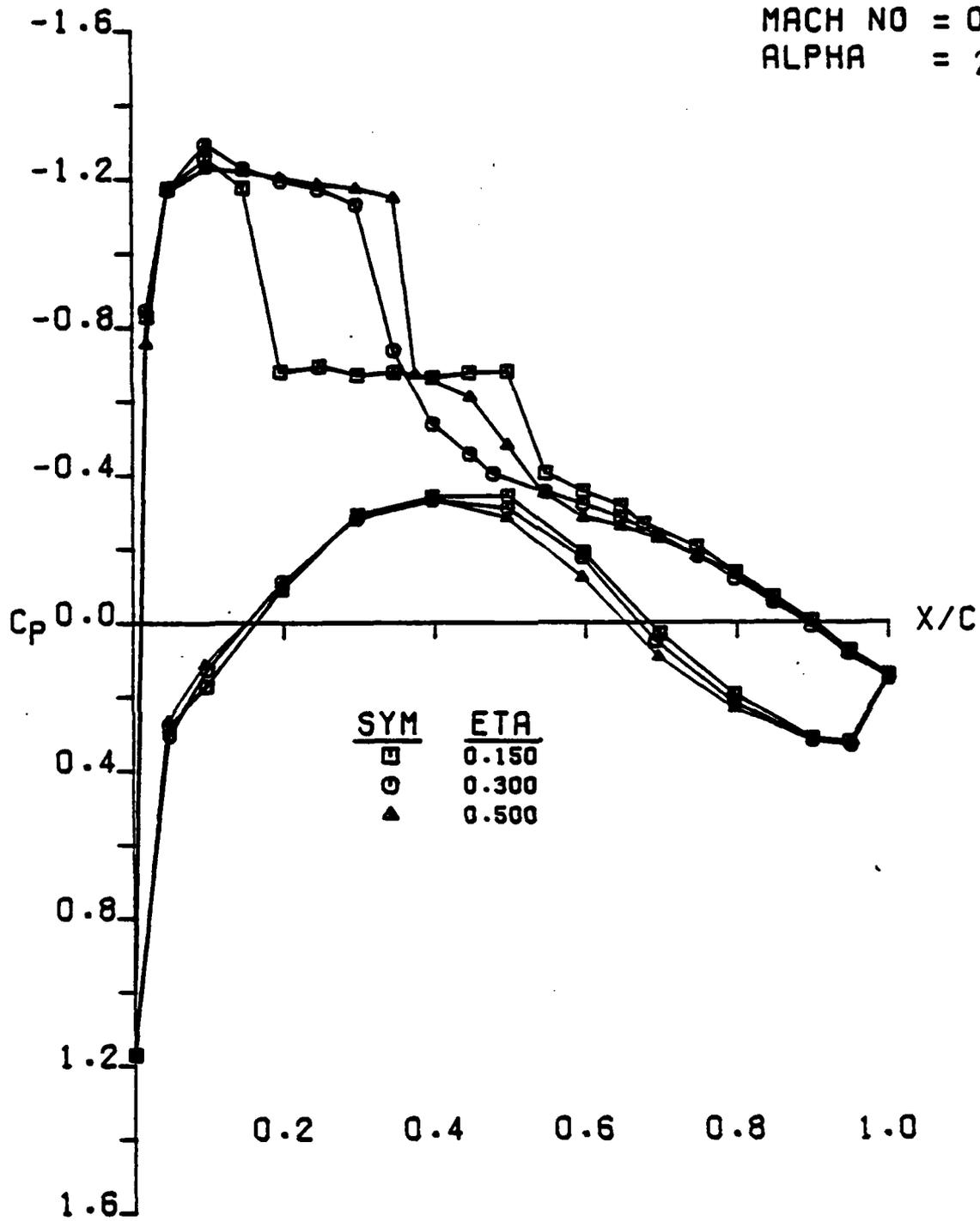


LOCKHEED CFWT SEMI-SPAN TEST, RUN 18
TITLE
AFOSR SEMISPAN MODEL A



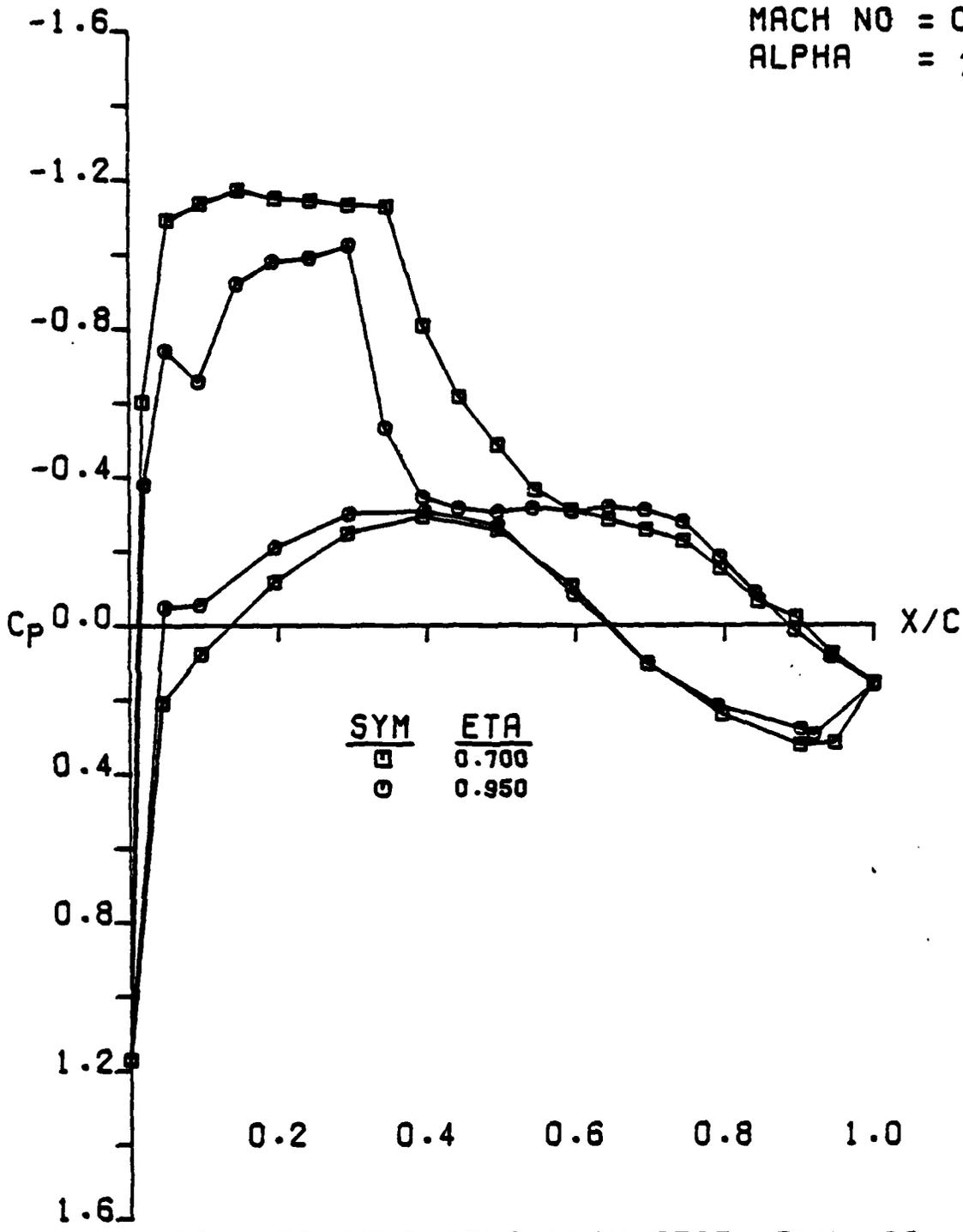
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 TITLE
 AFOSR SEMISPAN MODEL A

MACH NO = 0.801
ALPHA = 2.941°



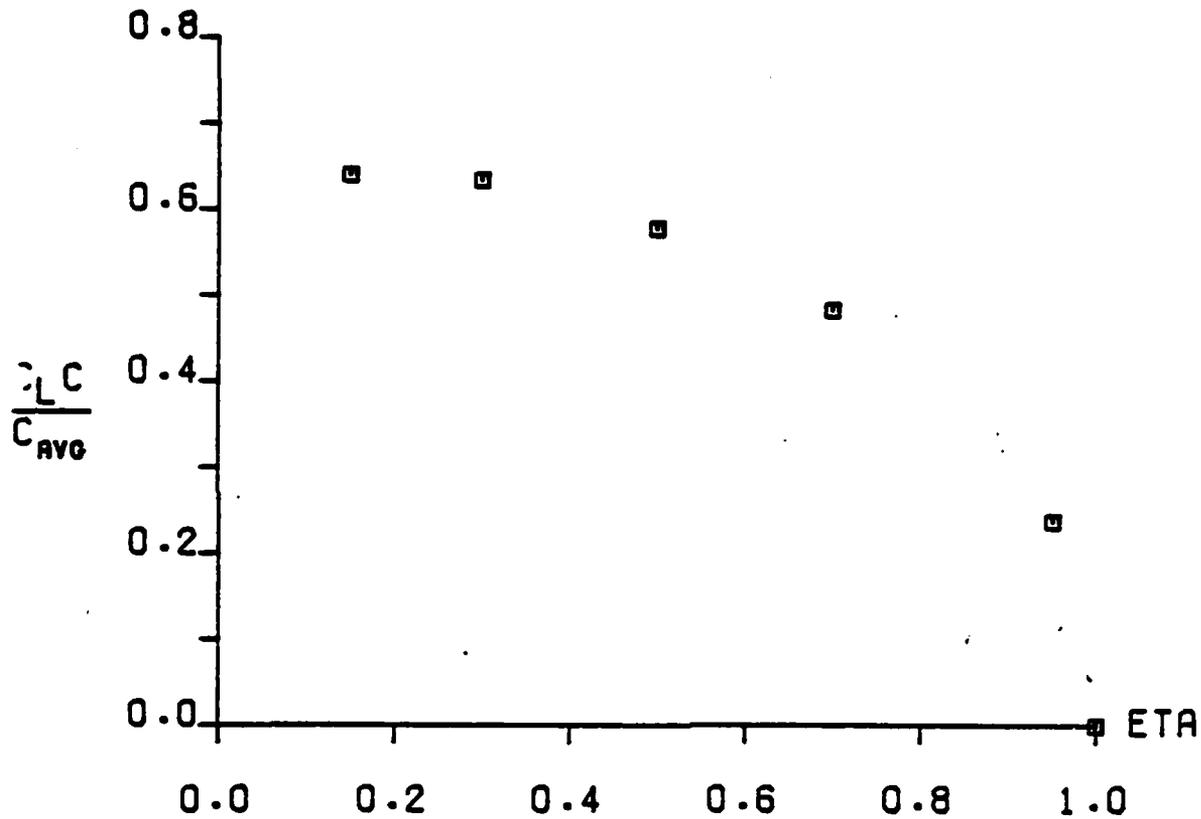
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.801
 ALPHA = 2.941°



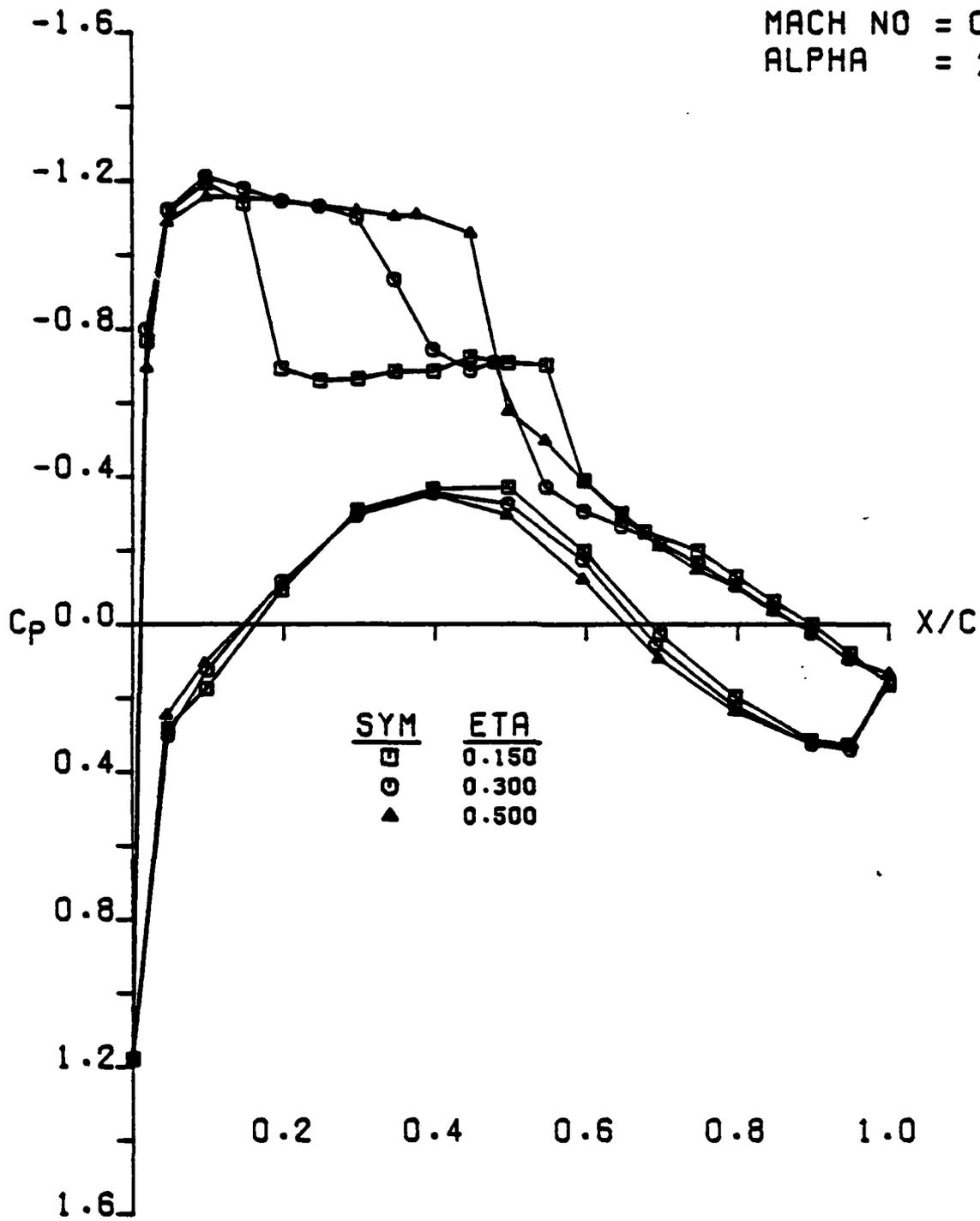
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 TITLE
 AFOSR SEMISPAN MODEL A

MACH NO = 0.801
ALPHA = 2.941°



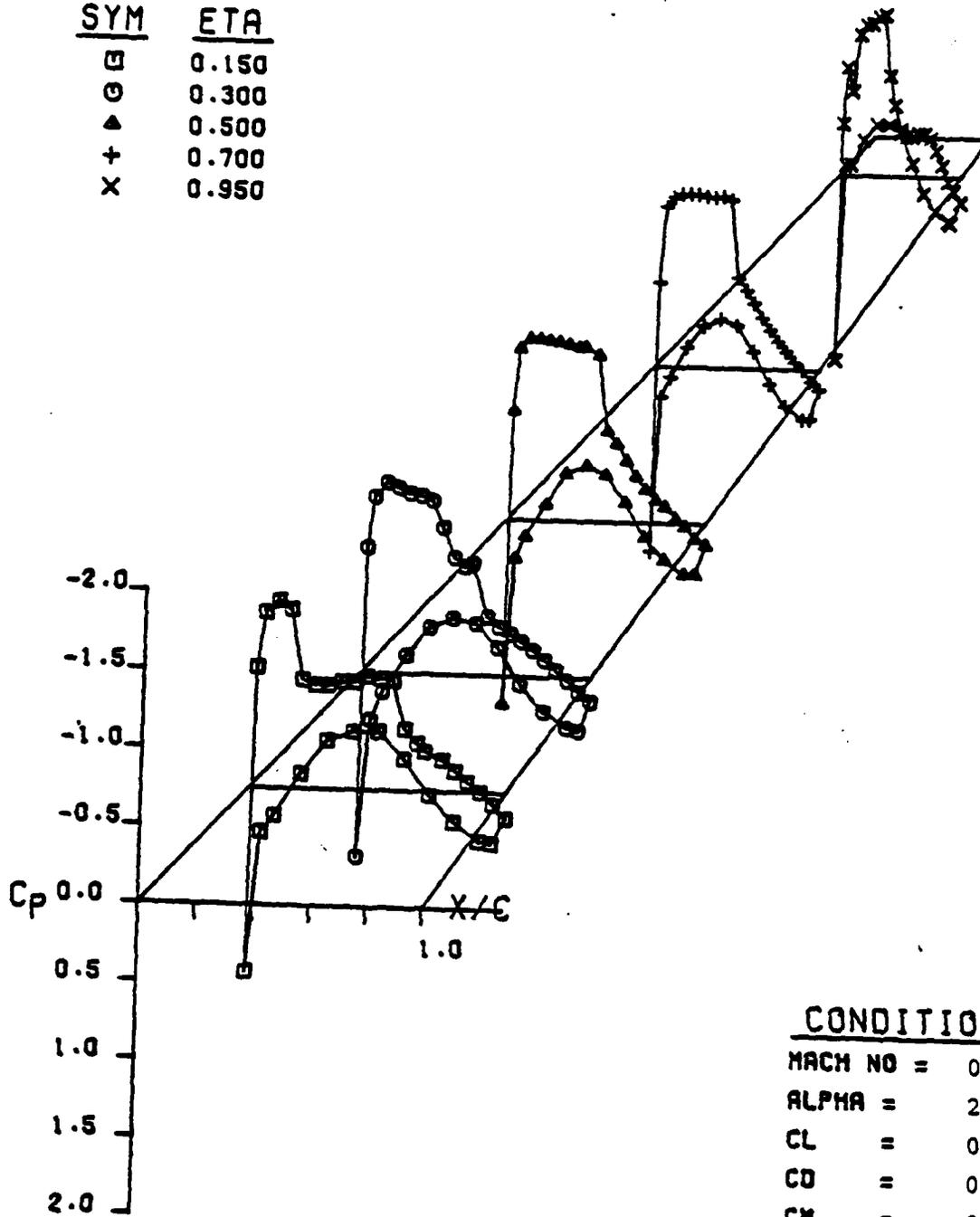
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.818
ALPHA = 2.940

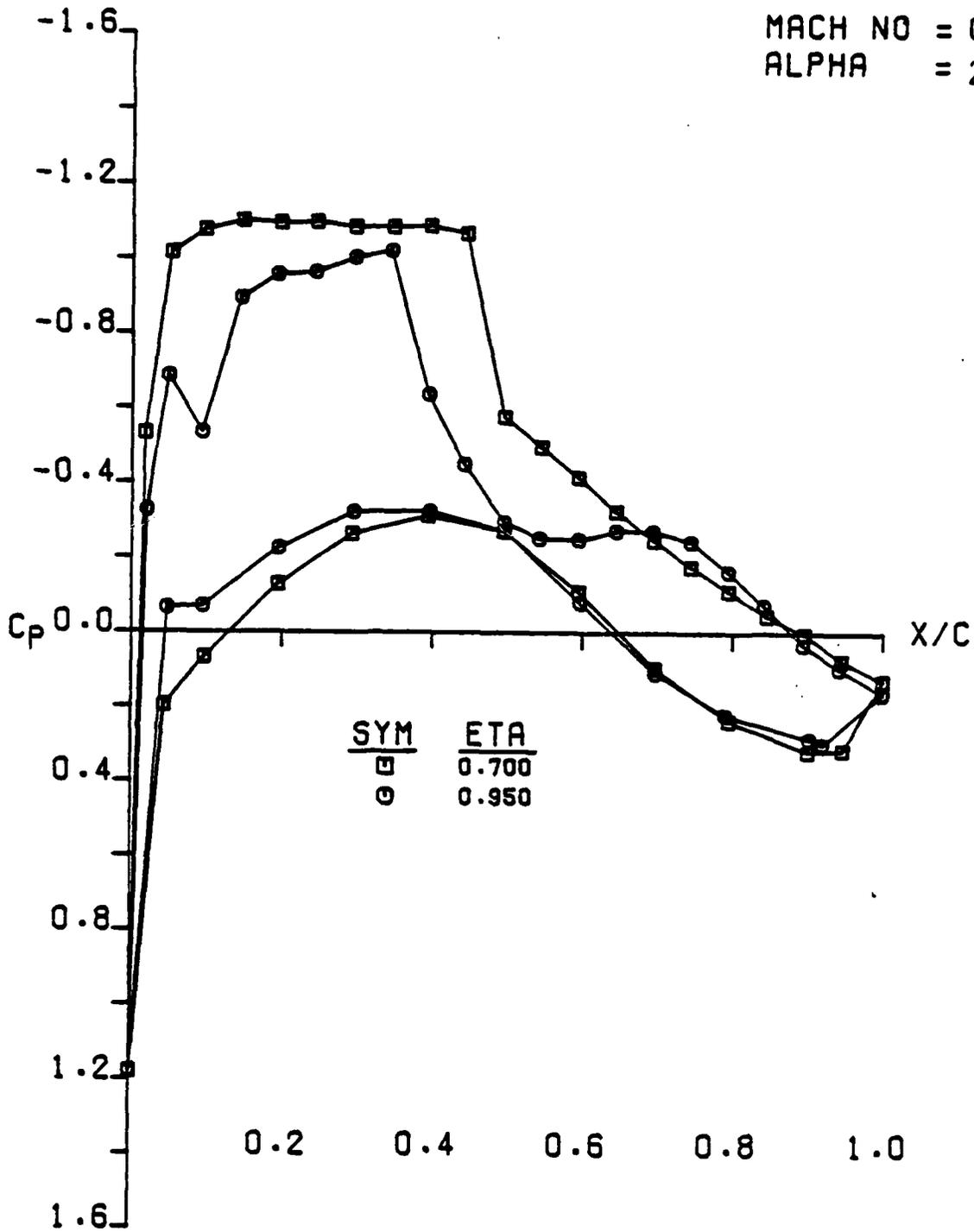


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
TITLE
AFOSR SEMISPAN MODEL A

<u>SYM</u>	<u>ETA</u>
□	0.150
○	0.300
▲	0.500
+	0.700
x	0.950

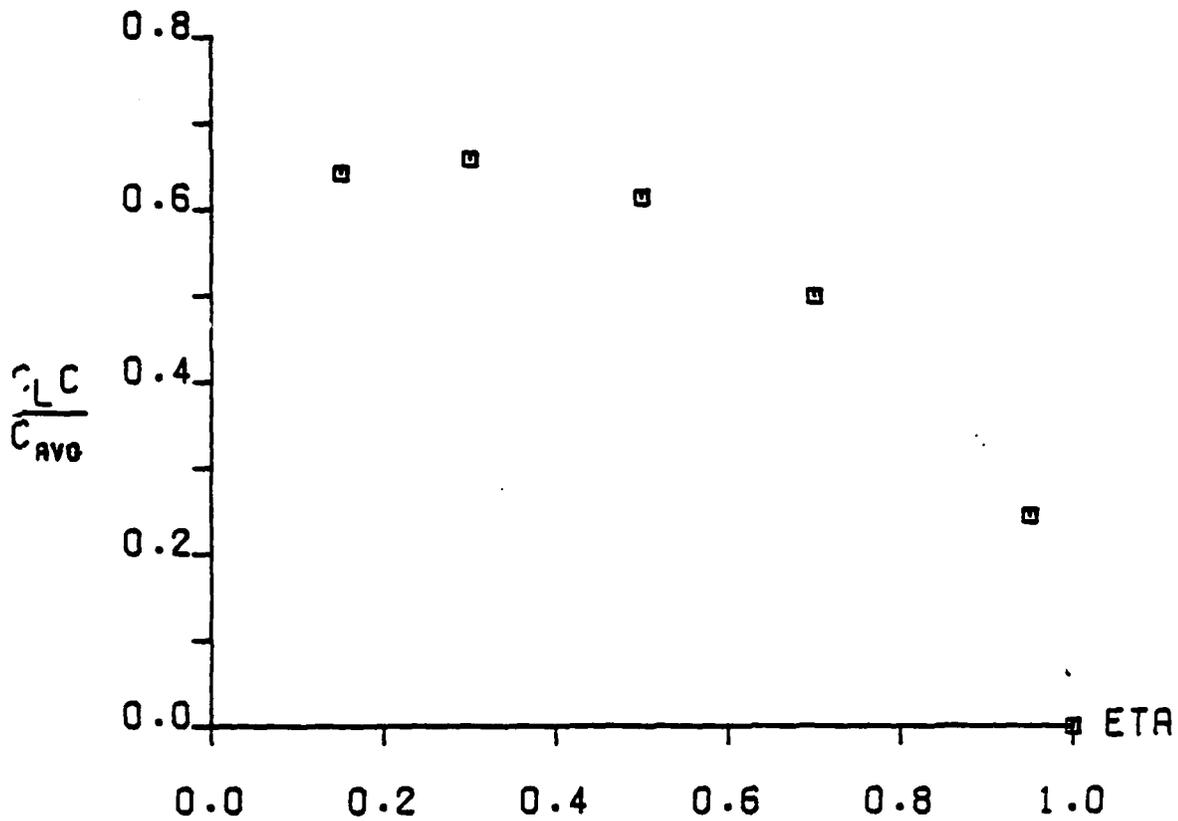


LOCKHEED CFWT SEMI-SPAN TEST. RUN 35
 TITLE
 AFOSR SEMISPAN MODEL A



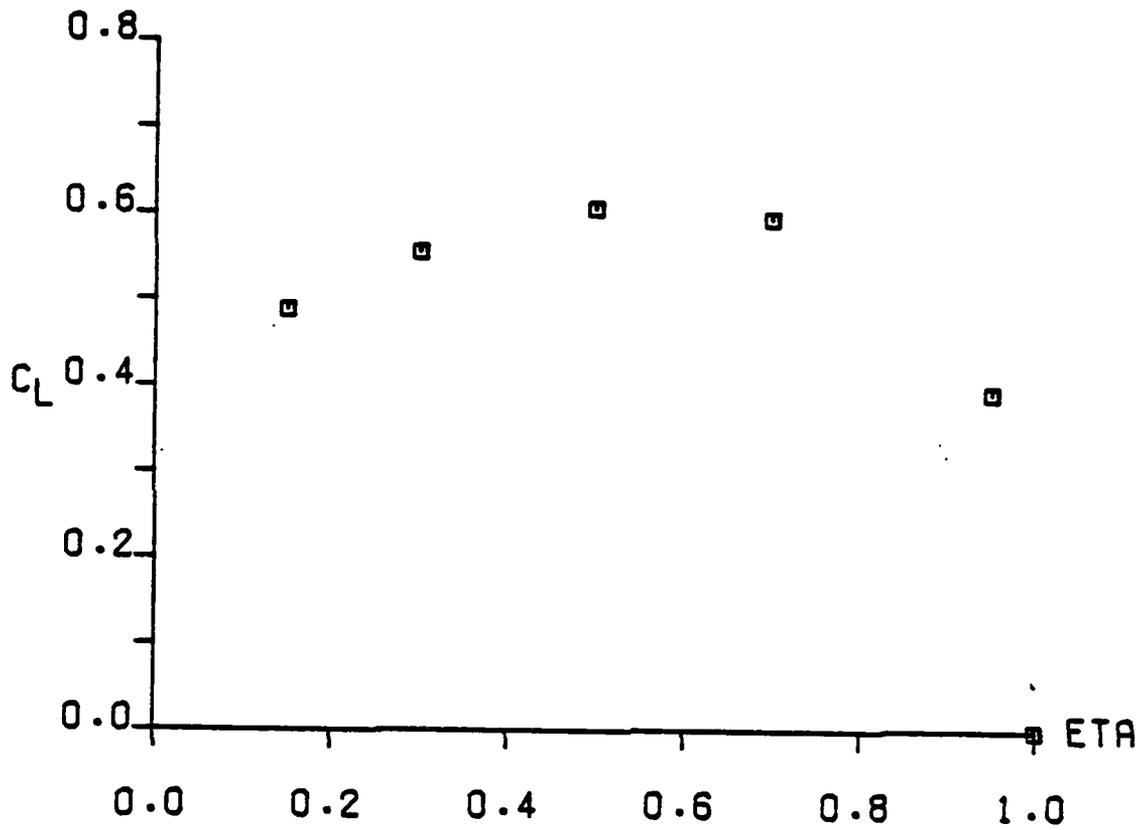
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.818
ALPHA = 2.940



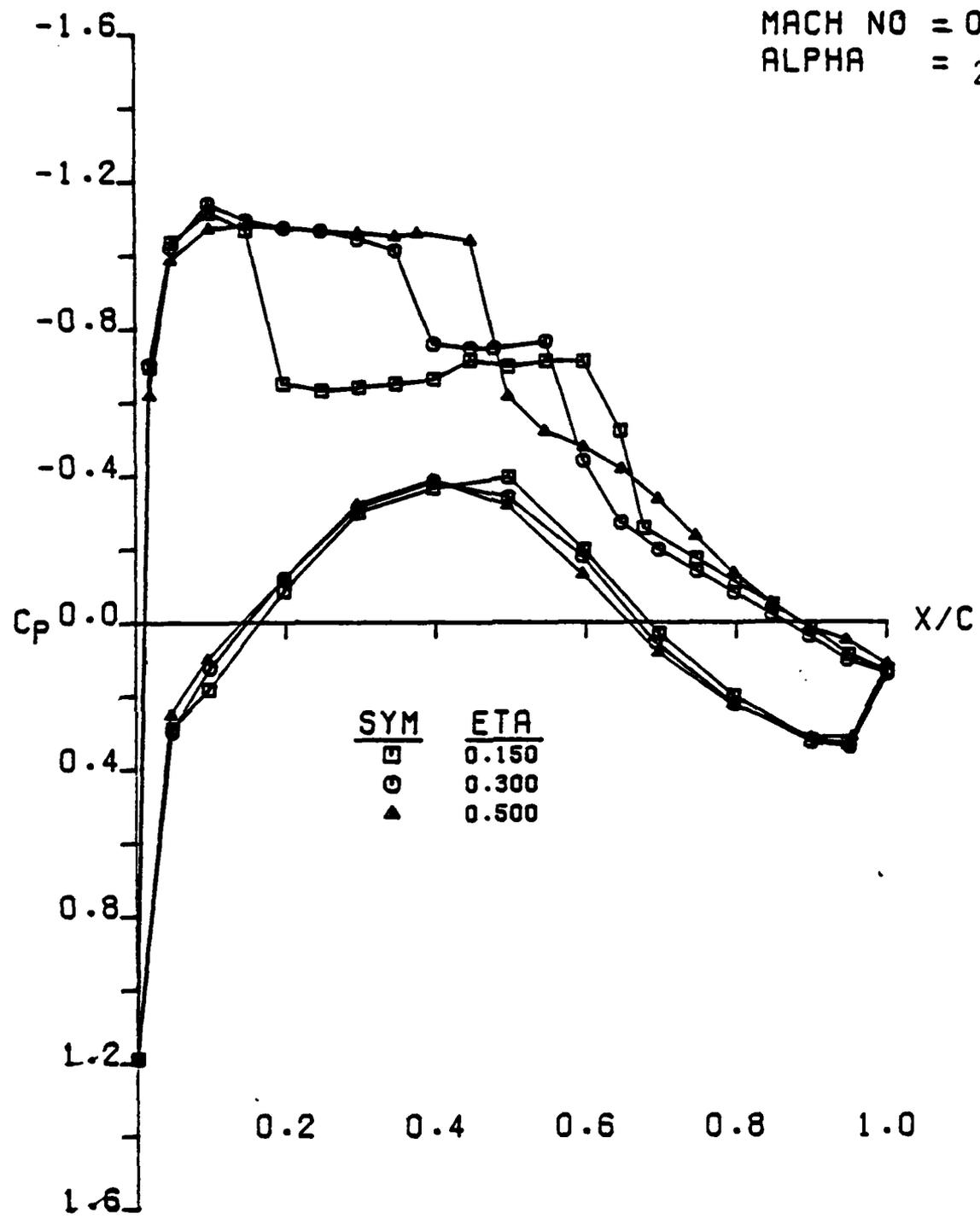
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.818
ALPHA = 2.940

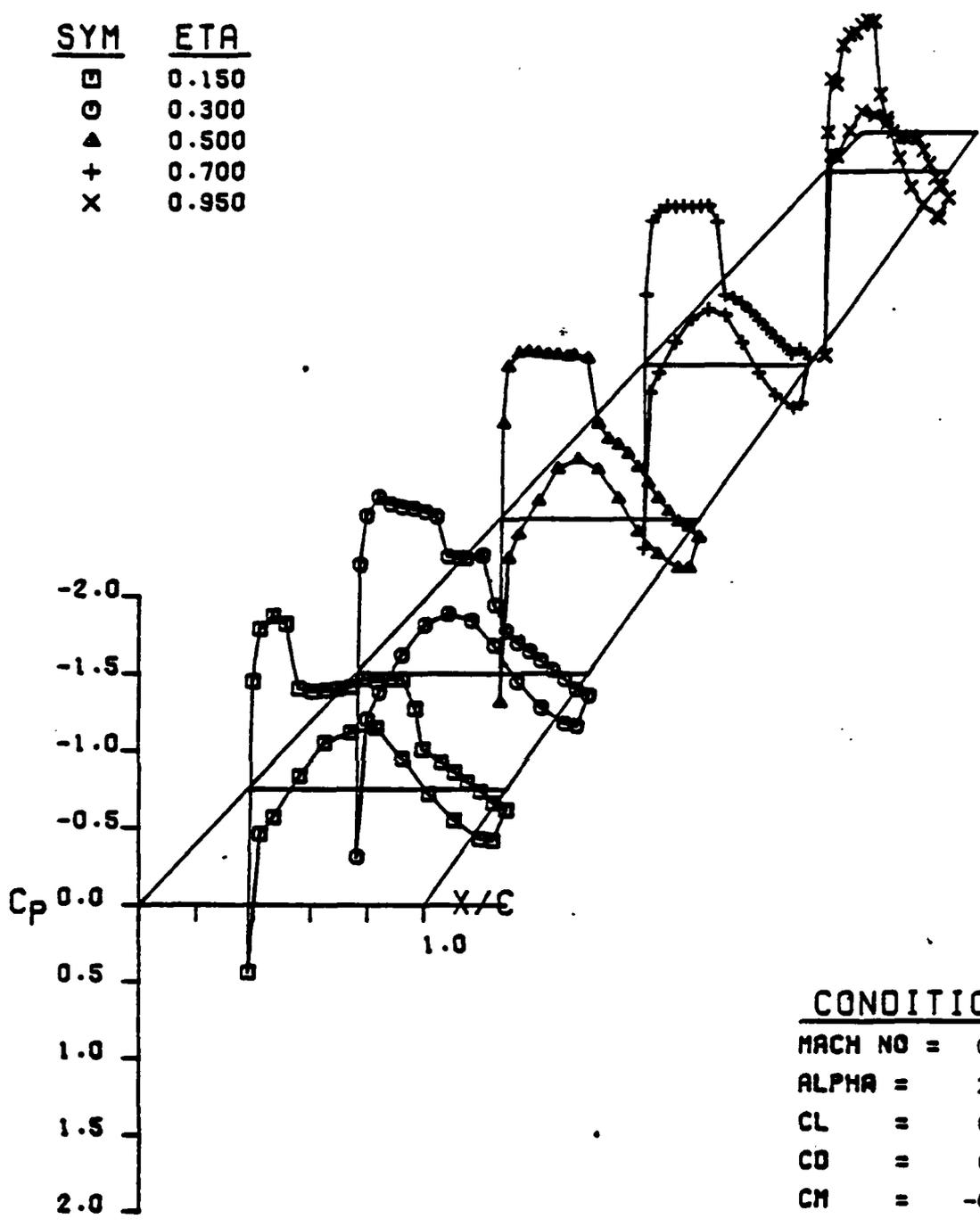


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.839
 ALPHA = 2.931'

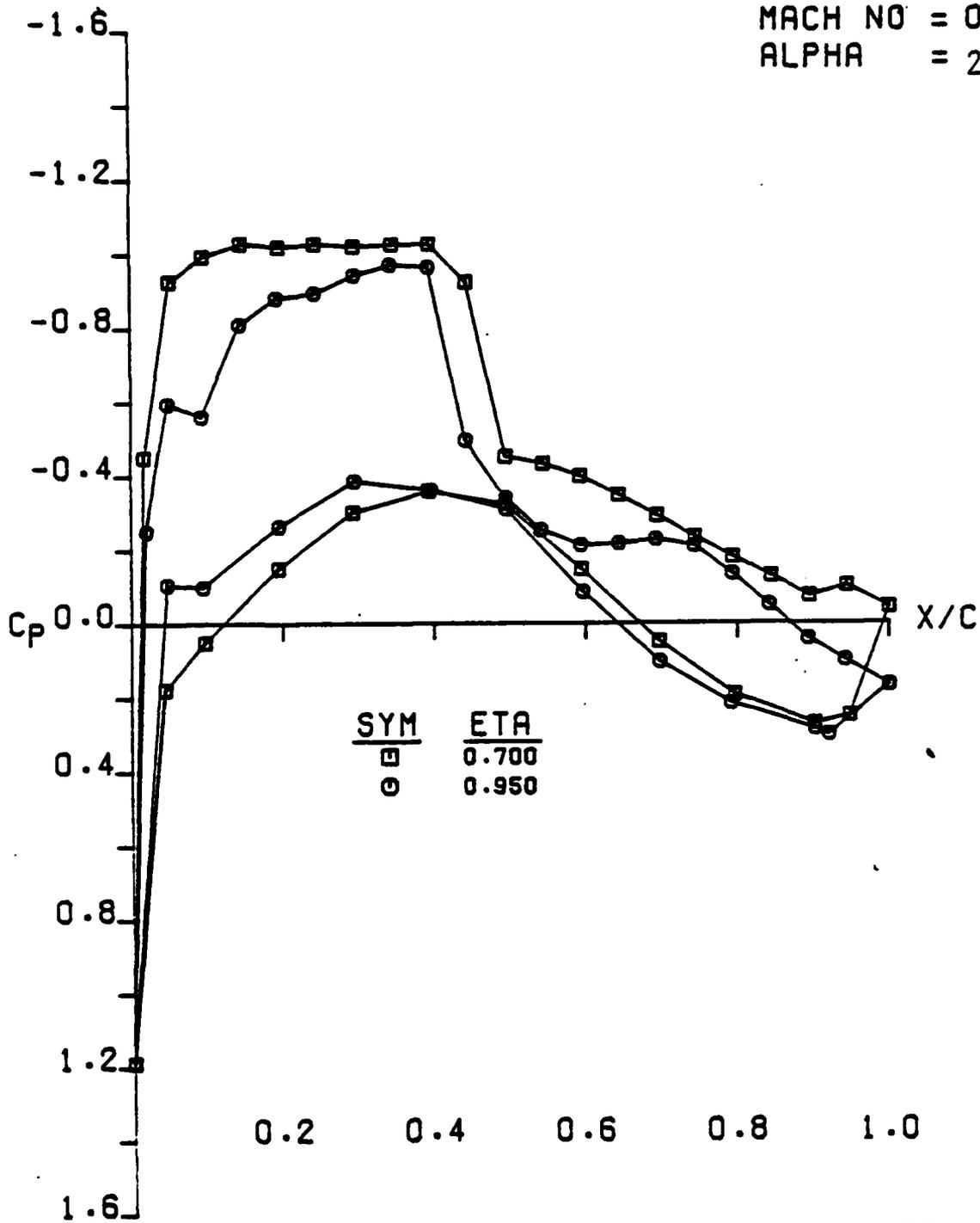


LOCKHEED CFWT SEMI-SPAN TEST, RUN 98
 TITLE
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 98
 TITLE
 AFOSR SEMISPAN MODEL A

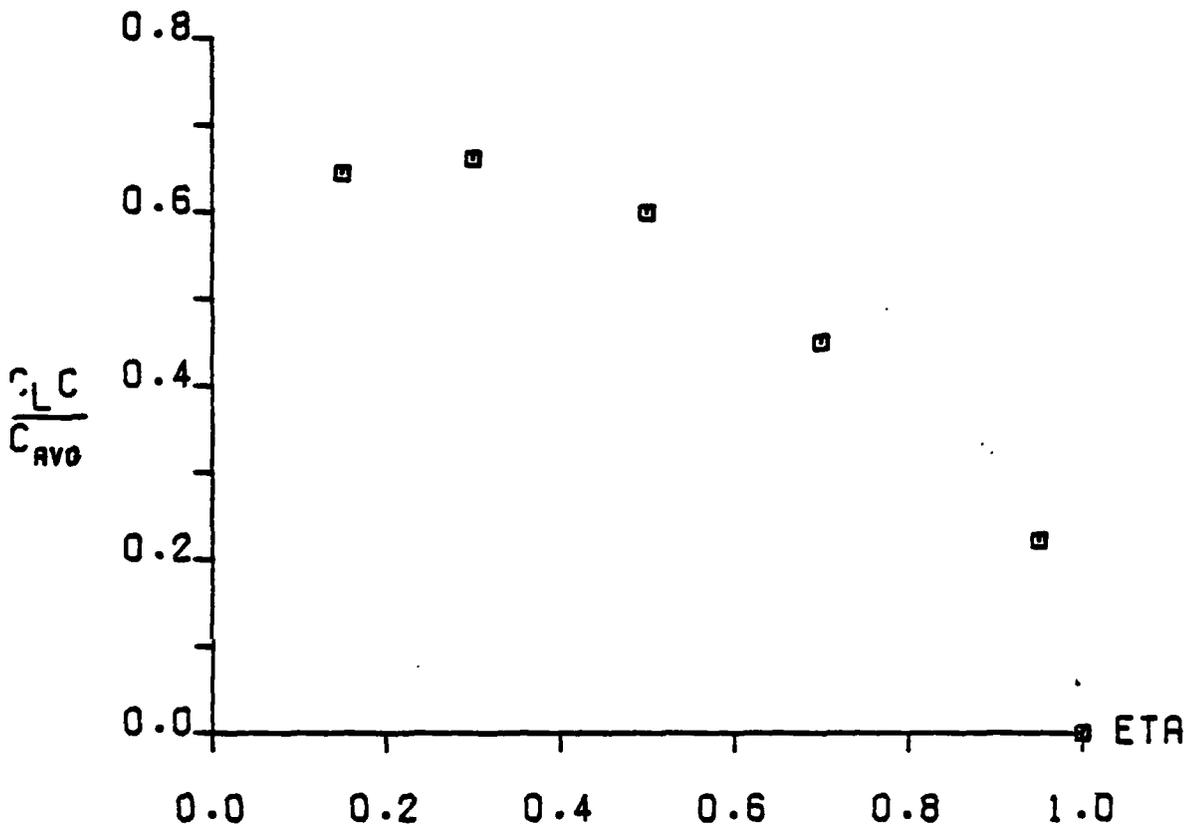
MACH NO = 0.839
ALPHA = 2.931



SYM	ETA
□	0.700
○	0.950

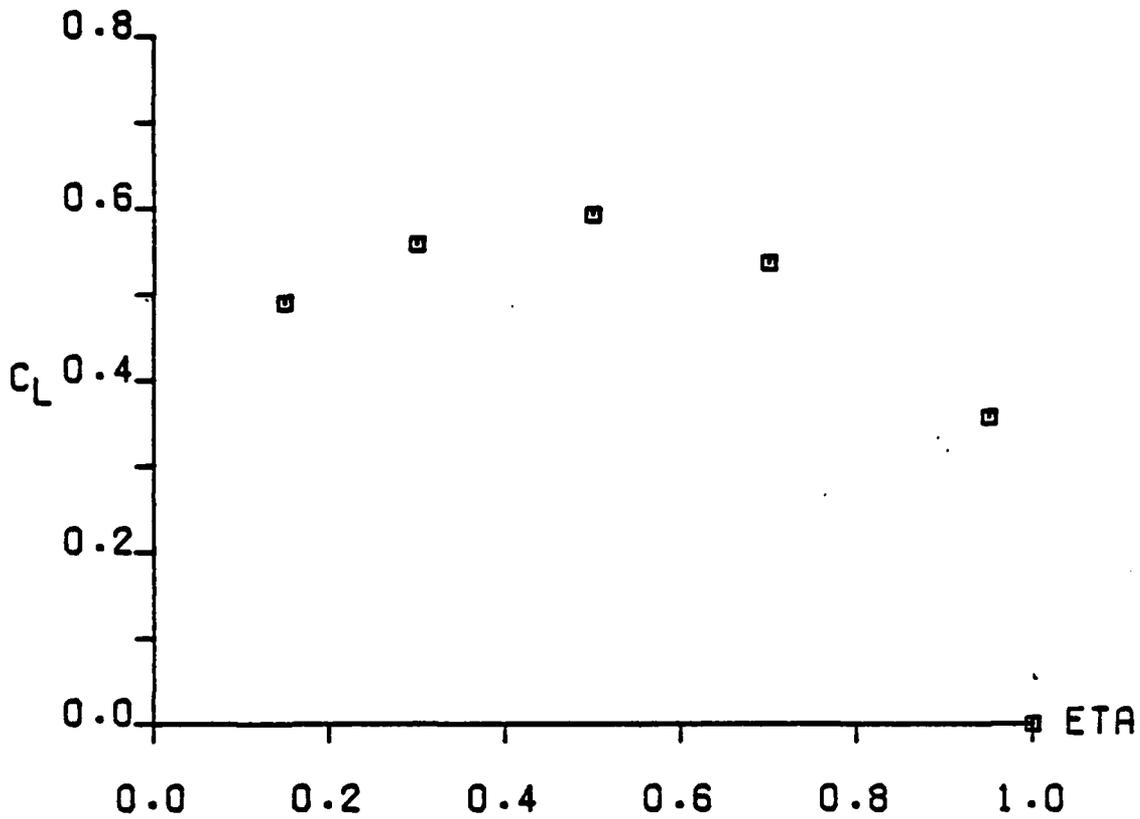
LOCKHEED CFWT SEMI-SPAN TEST, RUN 98
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.839
ALPHA = 2.931

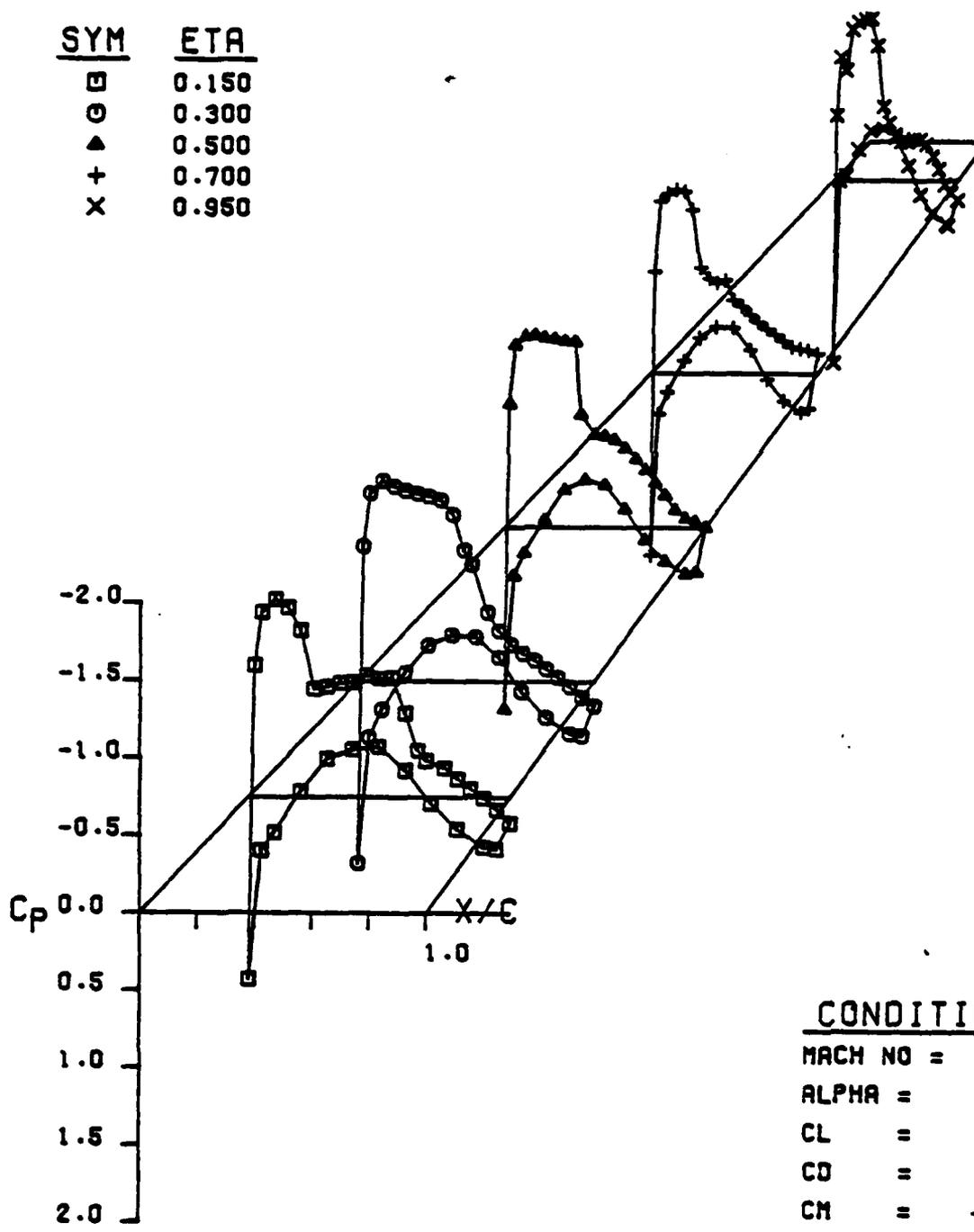


LOCKHEED CFWT SEMI-SPAN TEST, RUN 98
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.839
ALPHA = 2.931

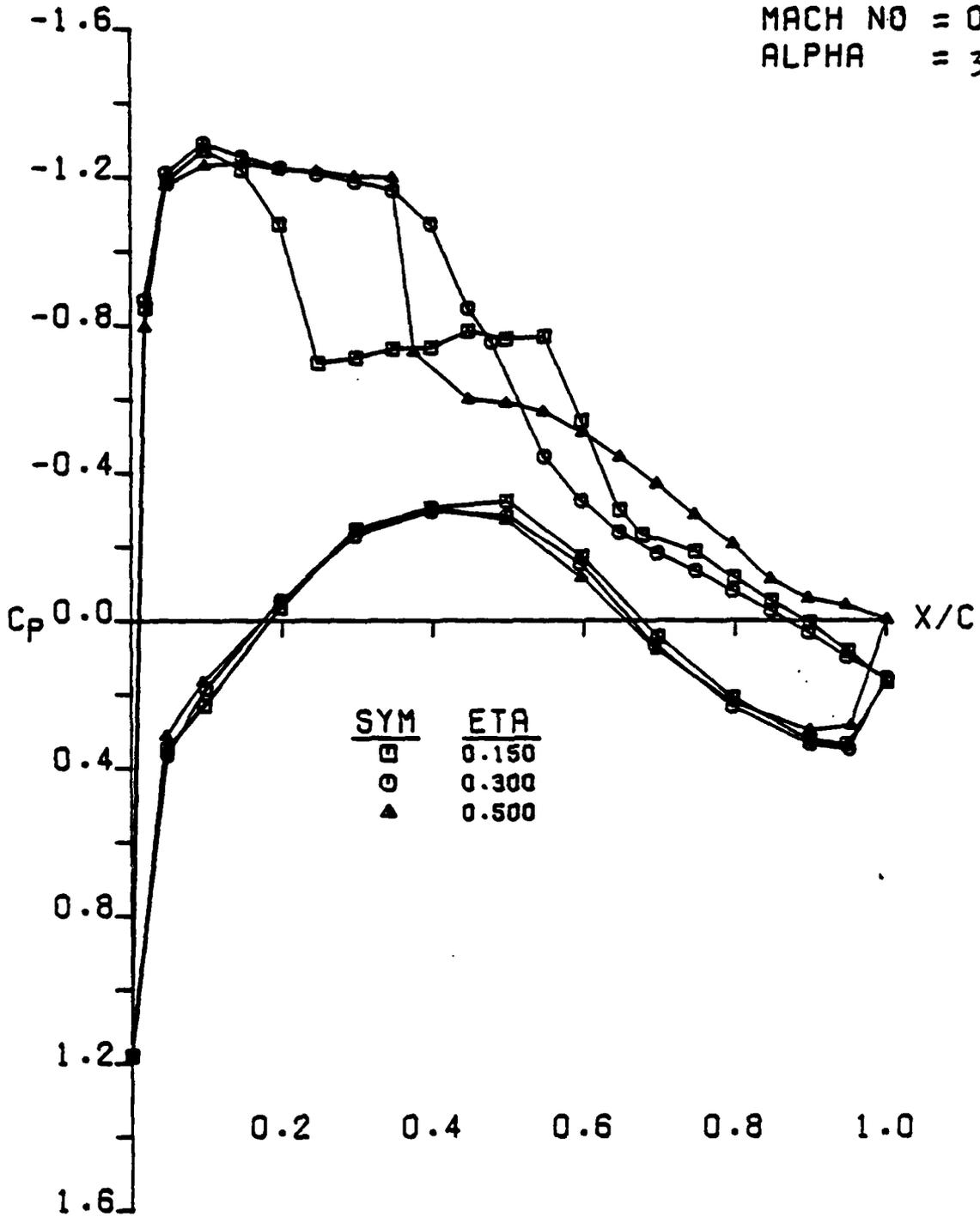


LOCKHEED CFWT SEMI-SPAN TEST, RUN 98
TITLE
AFOSR SEMISPAN MODEL A



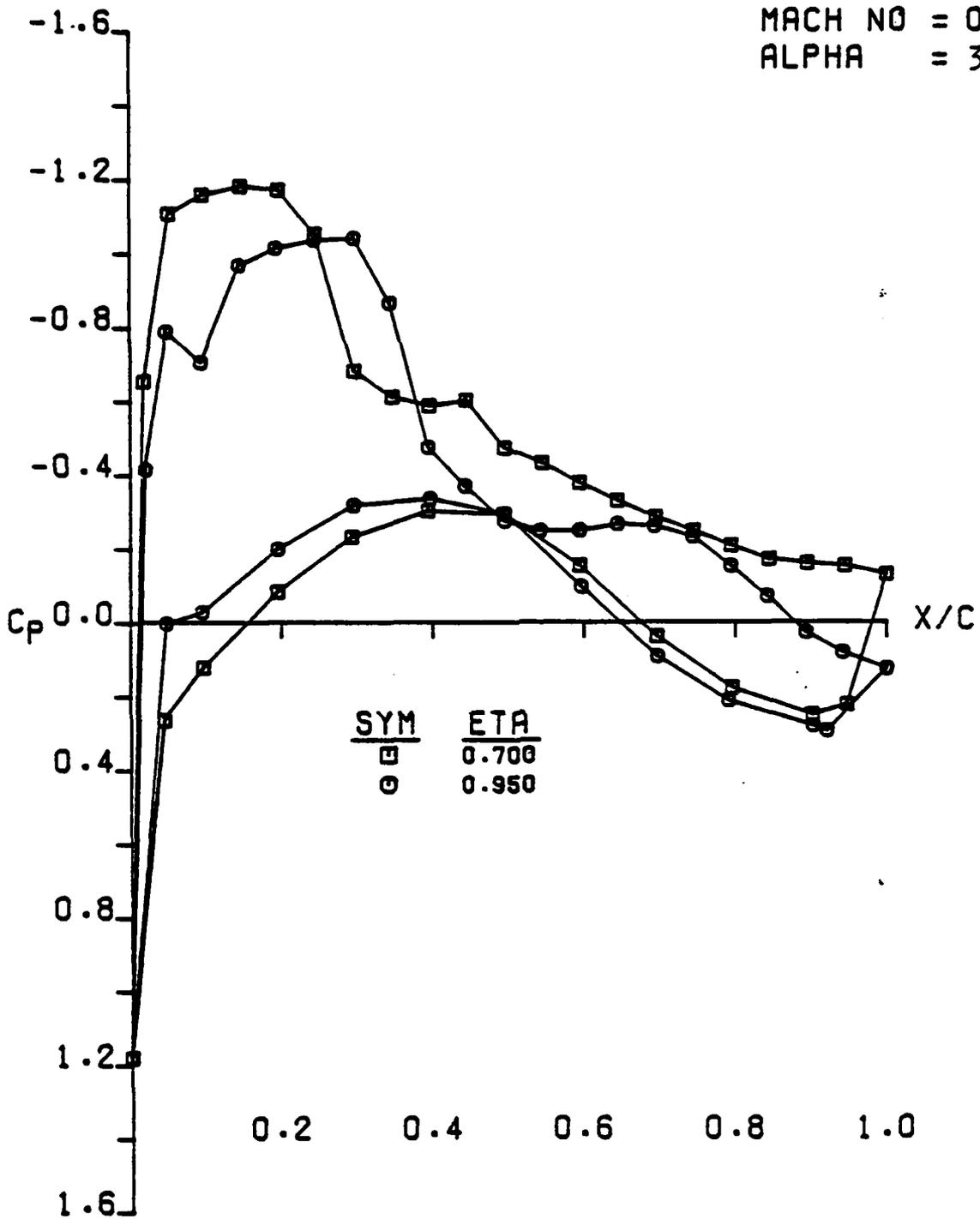
LOCKHEED CFWT SEMI-SPAN TEST, RUN 36
 TITLE
 AFOSR SEMISPAN MODEL A

MACH NO = 0.820
ALPHA = 3.928



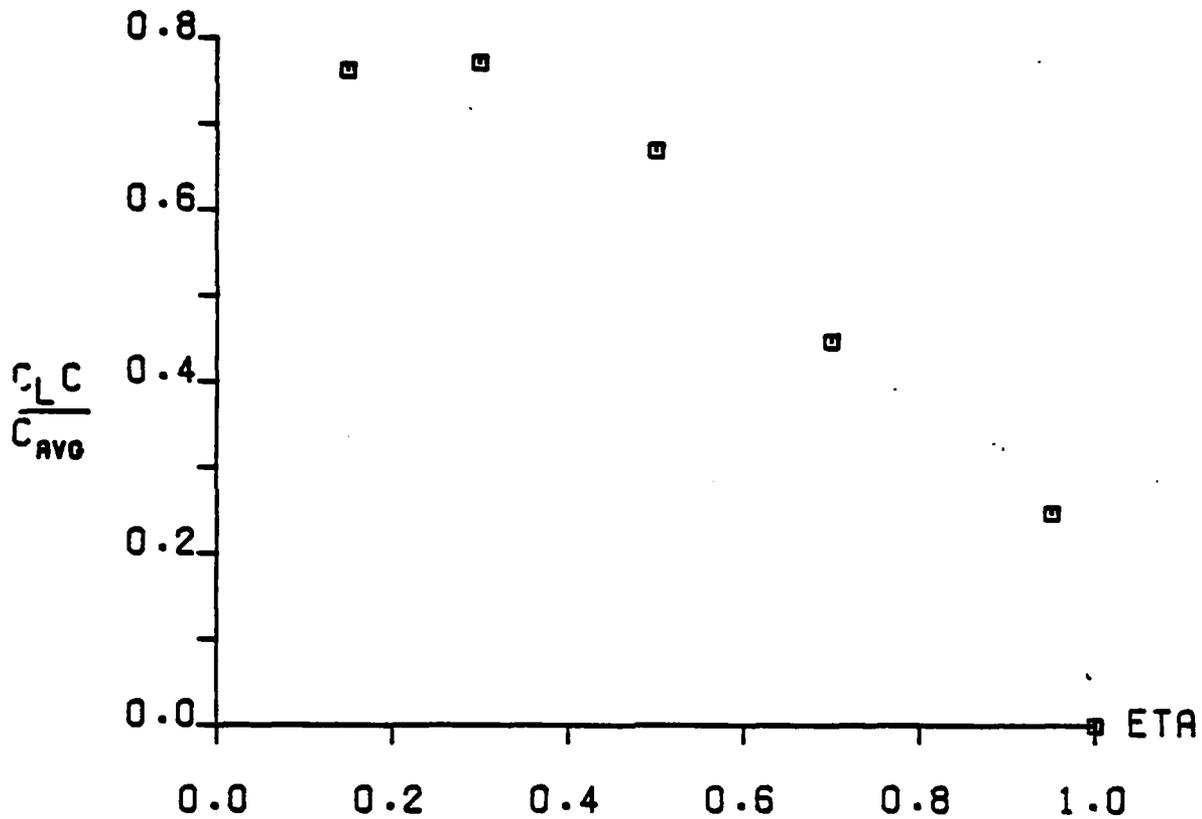
LOCKHEED CFWT SEMI-SPAN TEST, RUN 36
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.820
ALPHA = 3.928



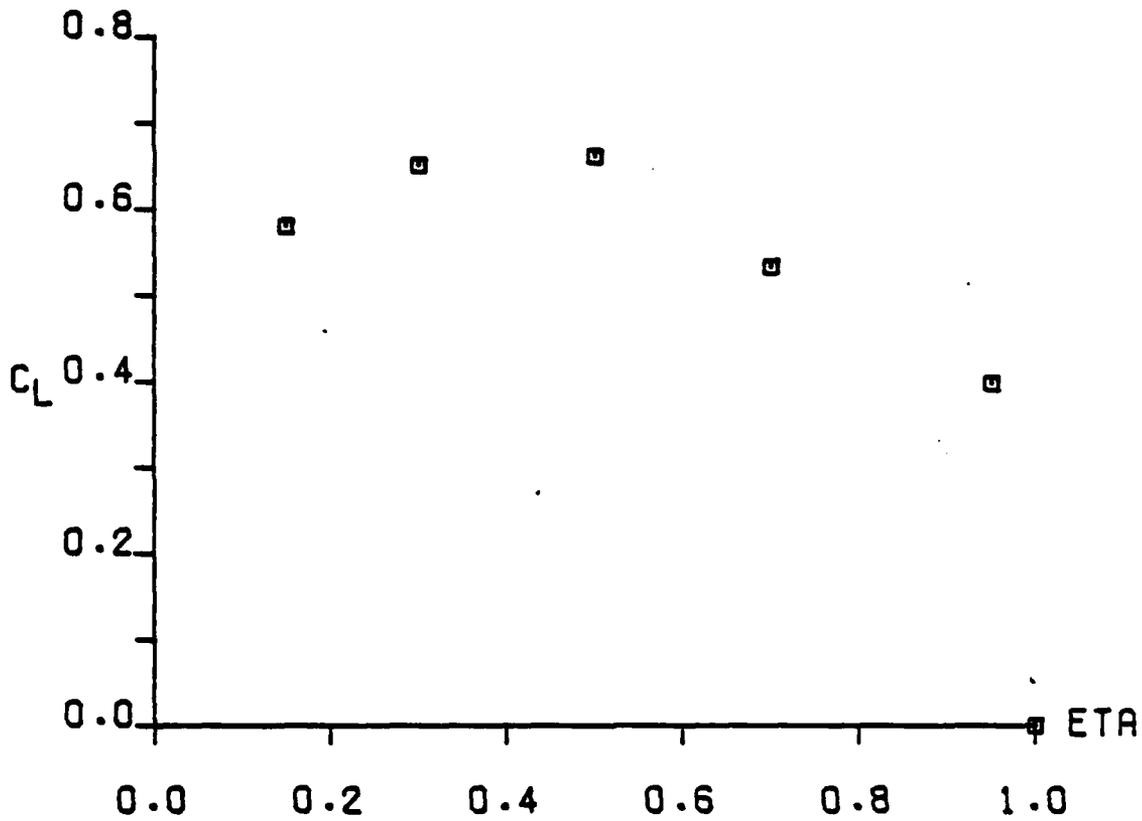
LOCKHEED CFWT SEMI-SPAN TEST, RUN 36
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.820
ALPHA = 3.928



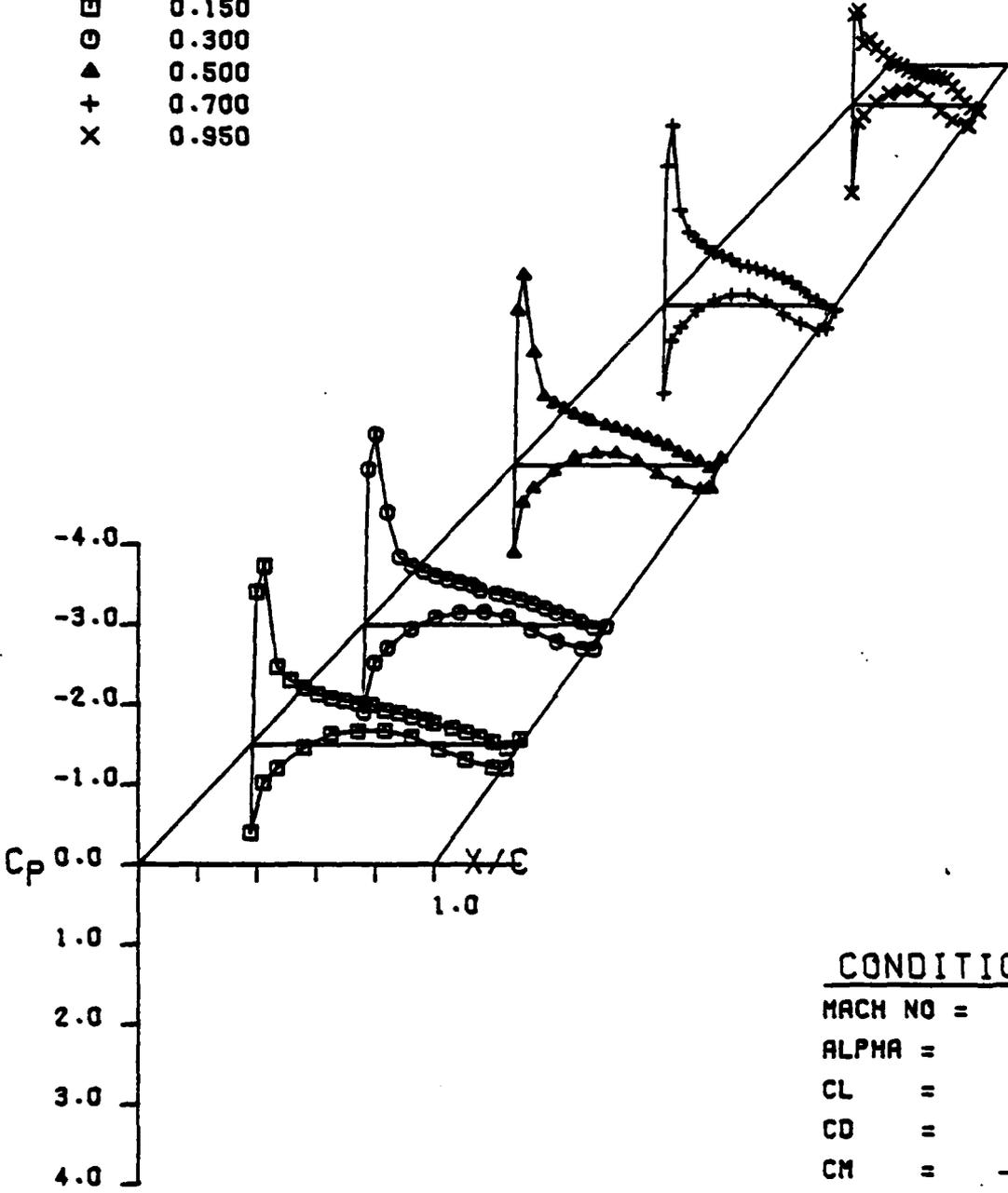
LOCKHEED CFWT SEMI-SPAN TEST, RUN 36
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.820
ALPHA = -3.928



LOCKHEED CFWT SEMI-SPAN TEST, RUN 36
TITLE
AFOSR SEMISPAN MODEL A

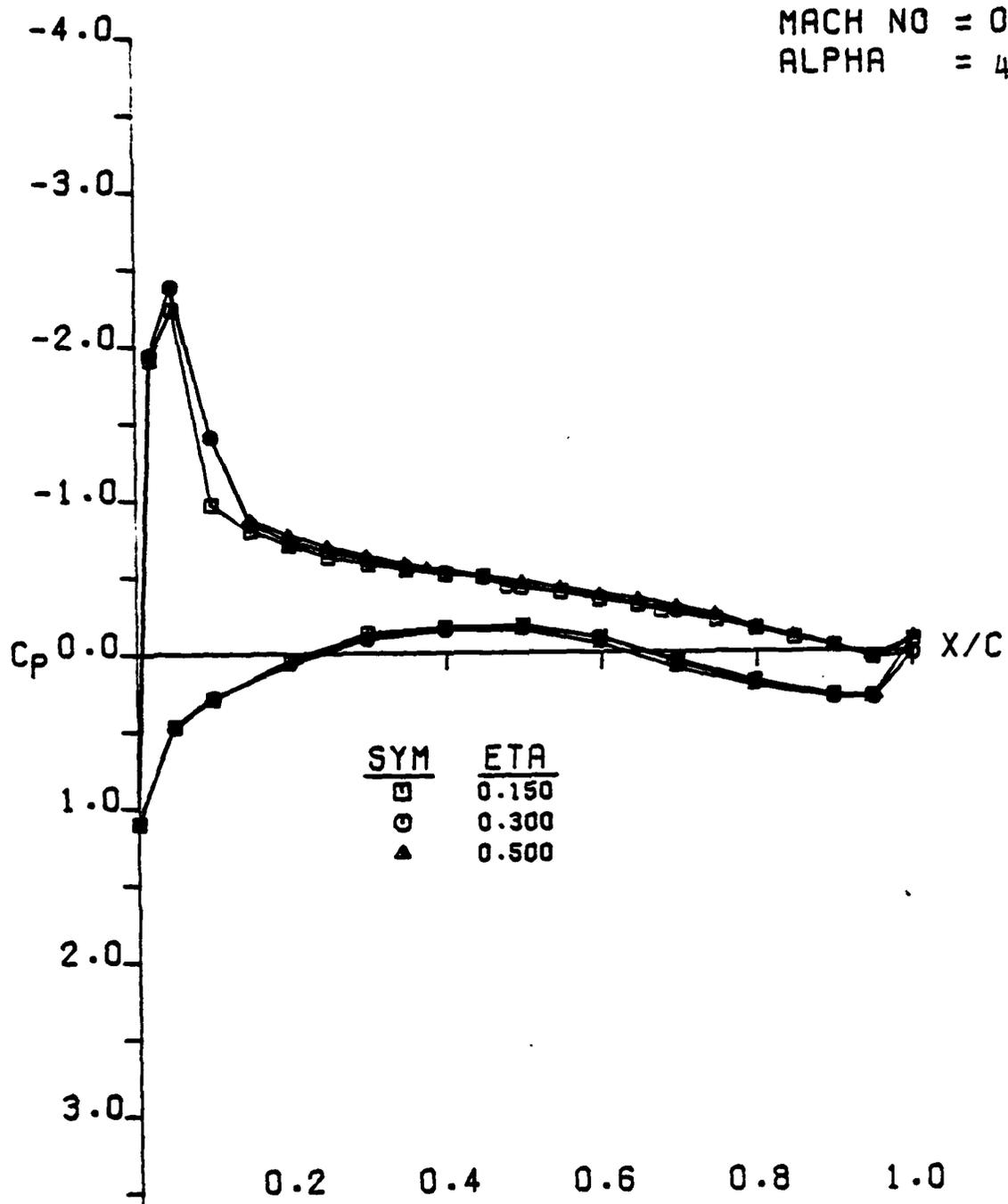
<u>SYM</u>	<u>ETA</u>
□	0.150
○	0.300
▲	0.500
+	0.700
x	0.950



<u>CONDITIONS</u>	
MACH NO =	0.622
ALPHA =	4.974
CL =	0.625
CD =	0.0361
CM =	-0.046

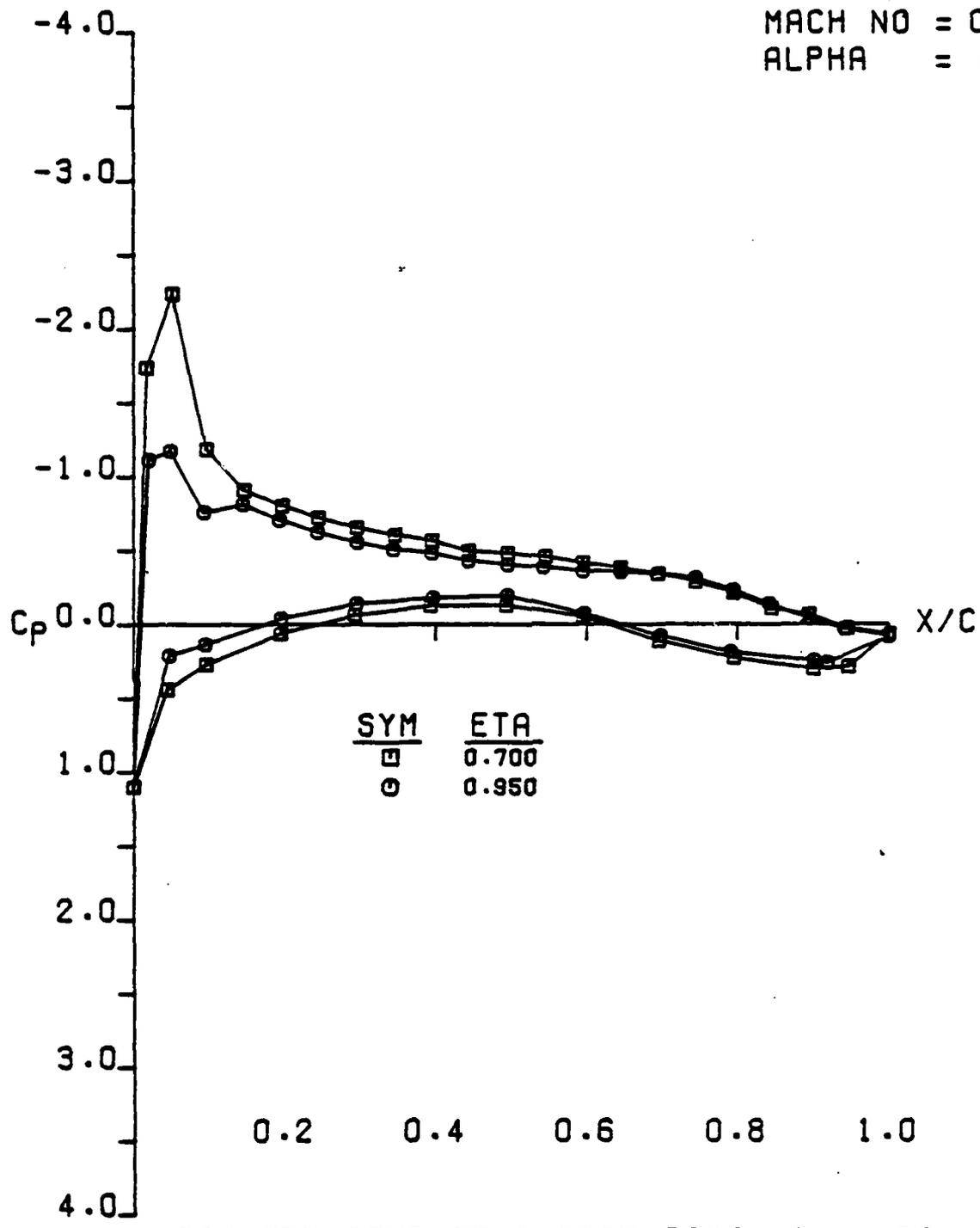
LOCKHEED CFWT SEMI-SPAN TEST, RUN 20
 TITLE
 AFOSR SEMISPAN MODEL A

MACH NO = 0.622
ALPHA = 4.974



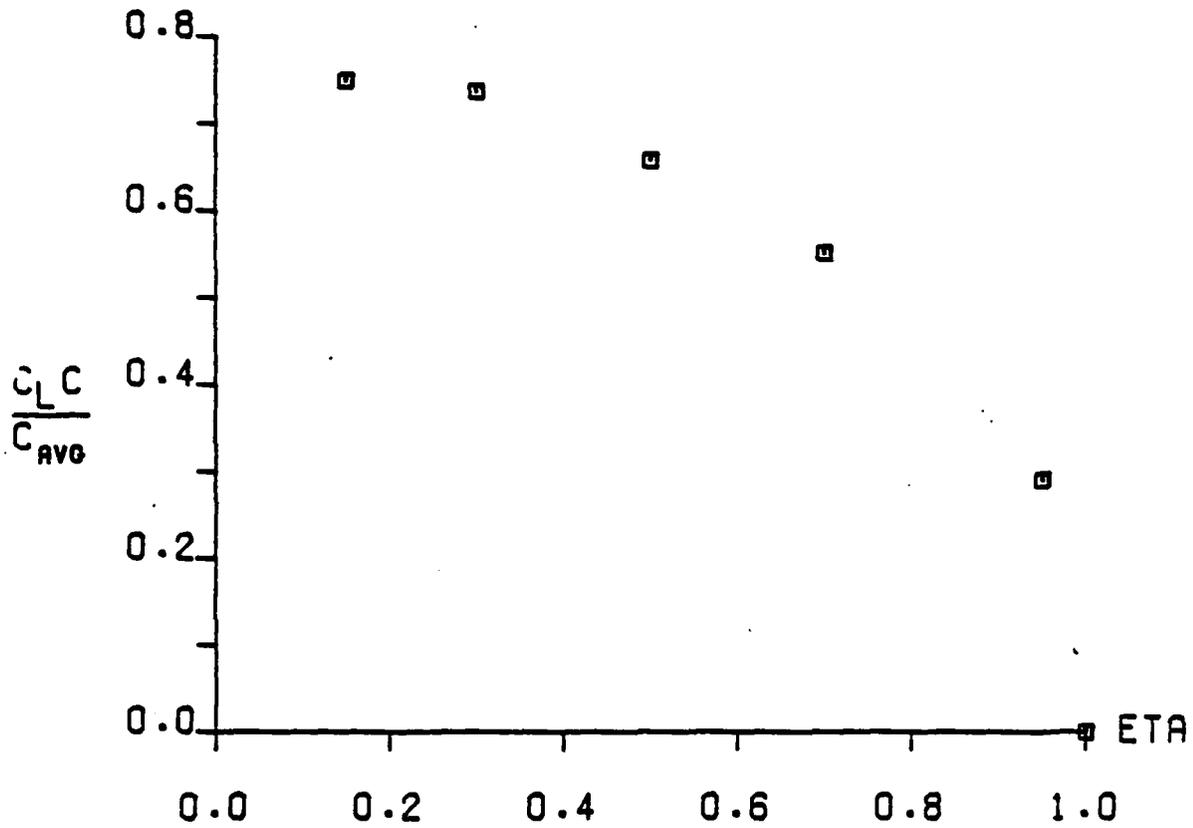
LOCKHEED CFWT. SEMI-SPAN TEST, RUN 20
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.622
ALPHA = 4.974



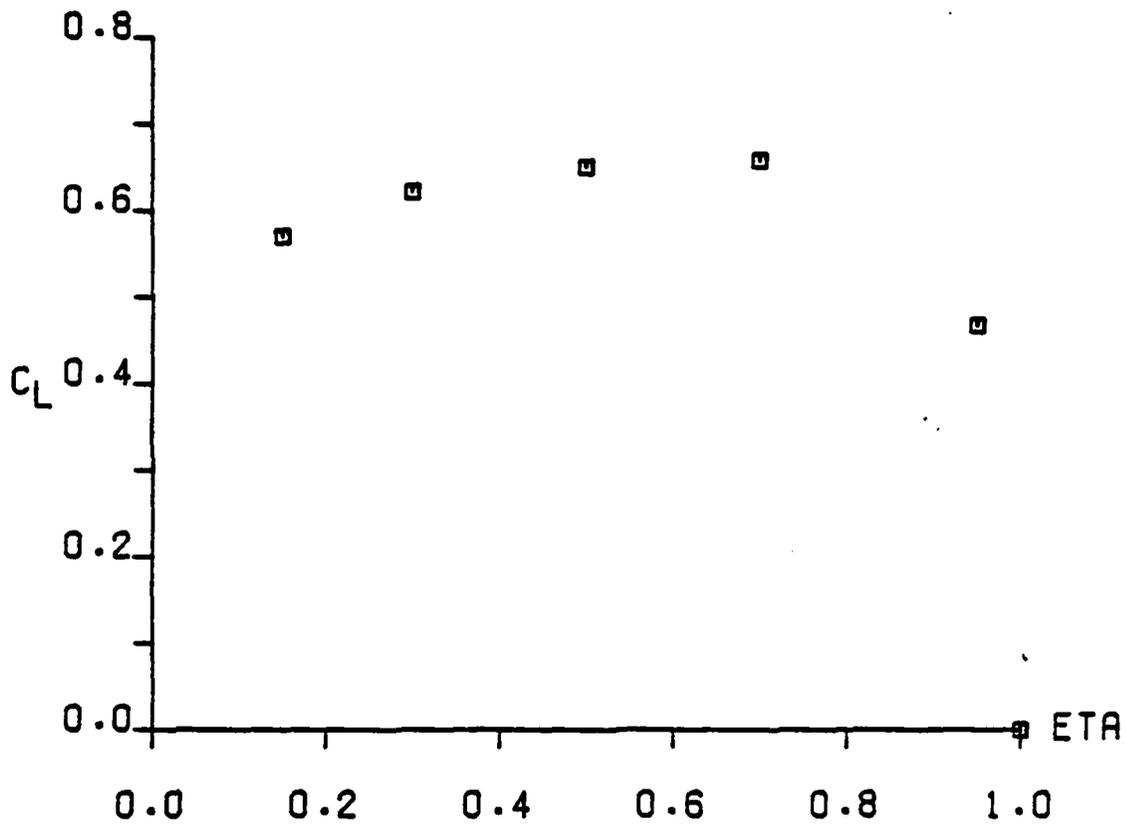
LOCKHEED CFWT SEMI-SPAN TEST, RUN 20
TITLE
AFOSR SEMISPAN MODEL A

MACH NO = 0.622
ALPHA = 4.974



LOCKHEED CFWT SEMI-SPAN TEST, RUN 20
TITLE
AFOSR SEMISPAN MODEL A

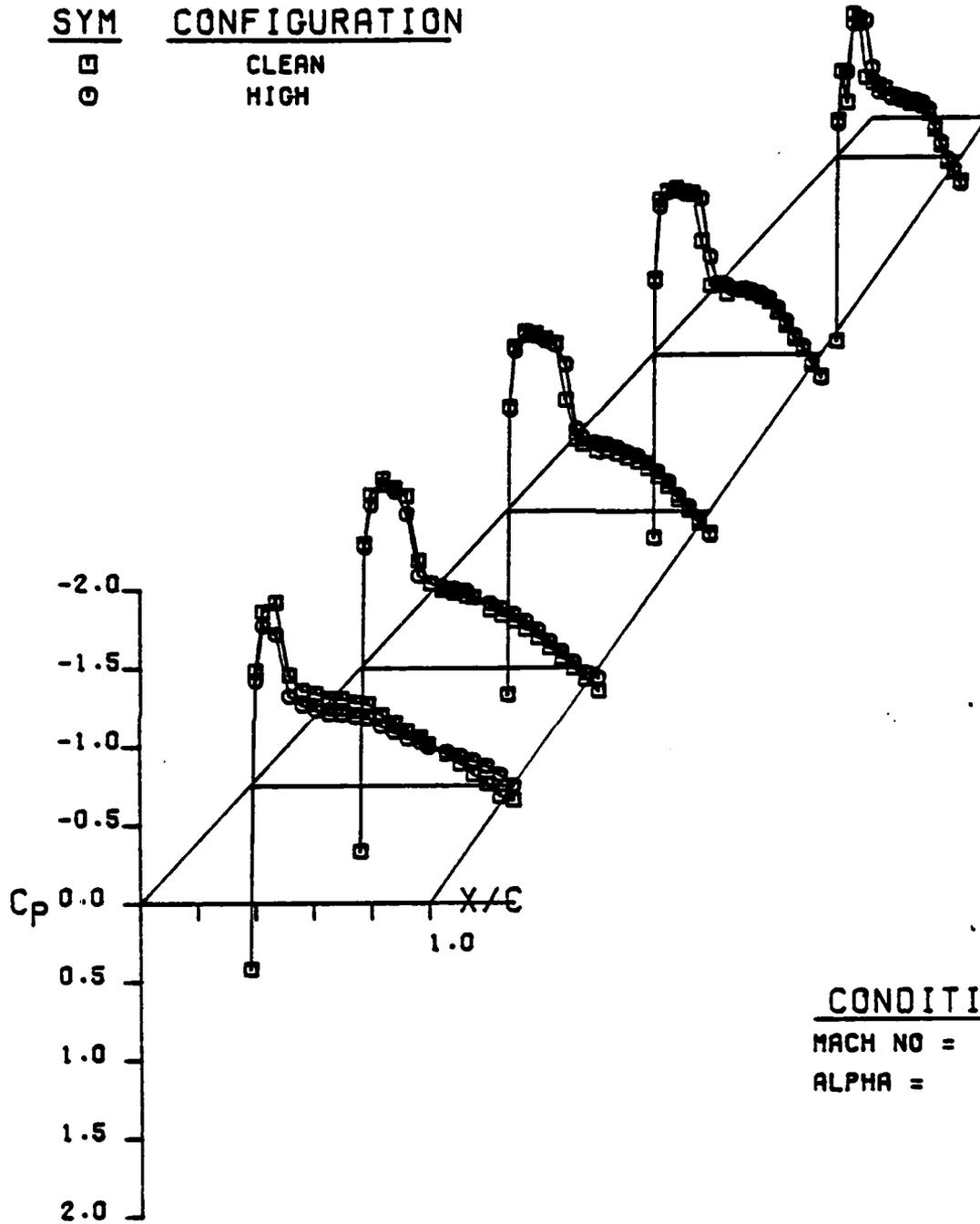
MACH NO = 0.622
ALPHA = 4.974



LOCKHEED CFWT SEMI-SPAN TEST, RUN 20
TITLE
AFOSR SEMISPAN MODEL A

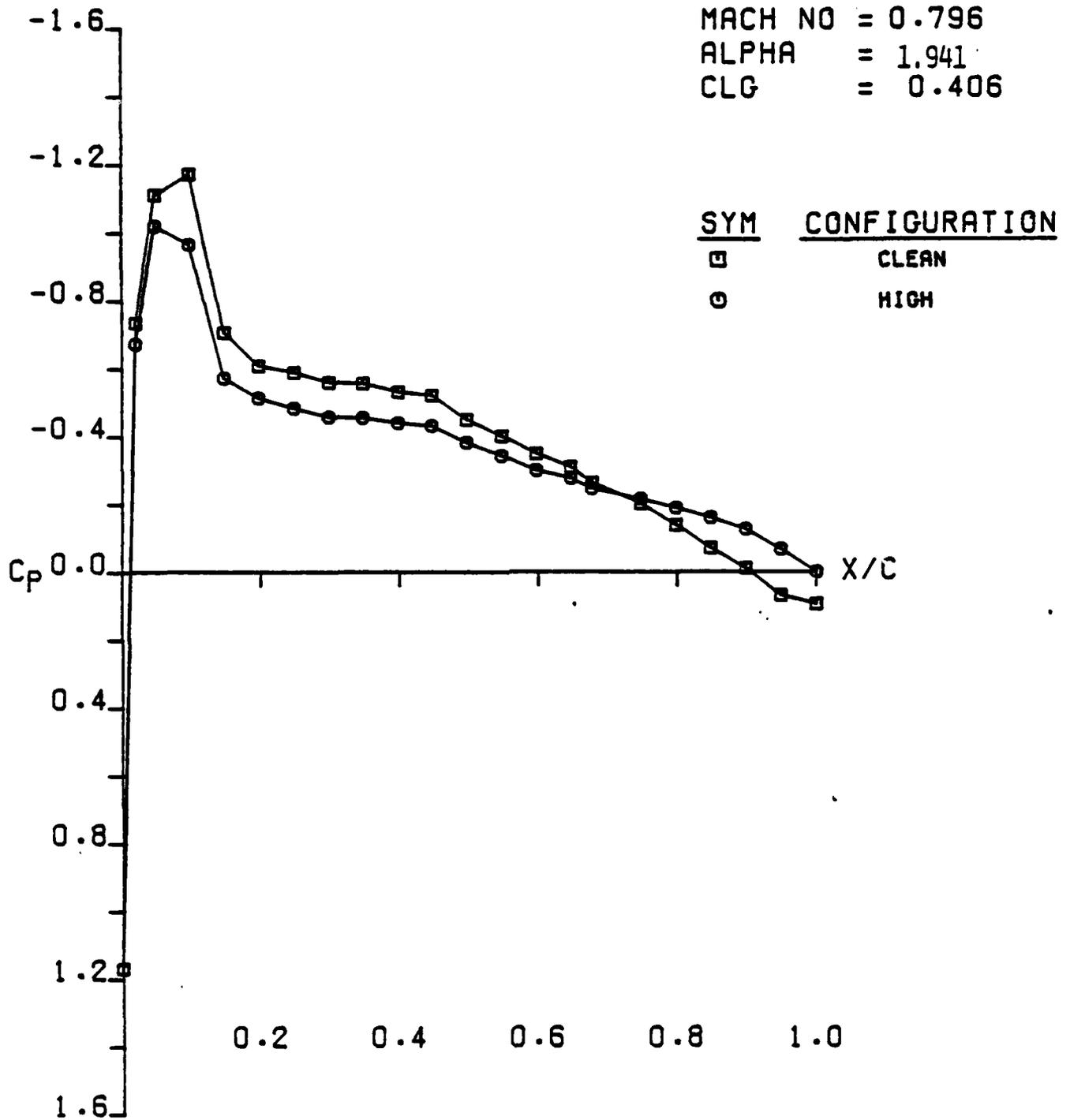
SYM CONFIGURATION

□ CLEAN
 ○ HIGH

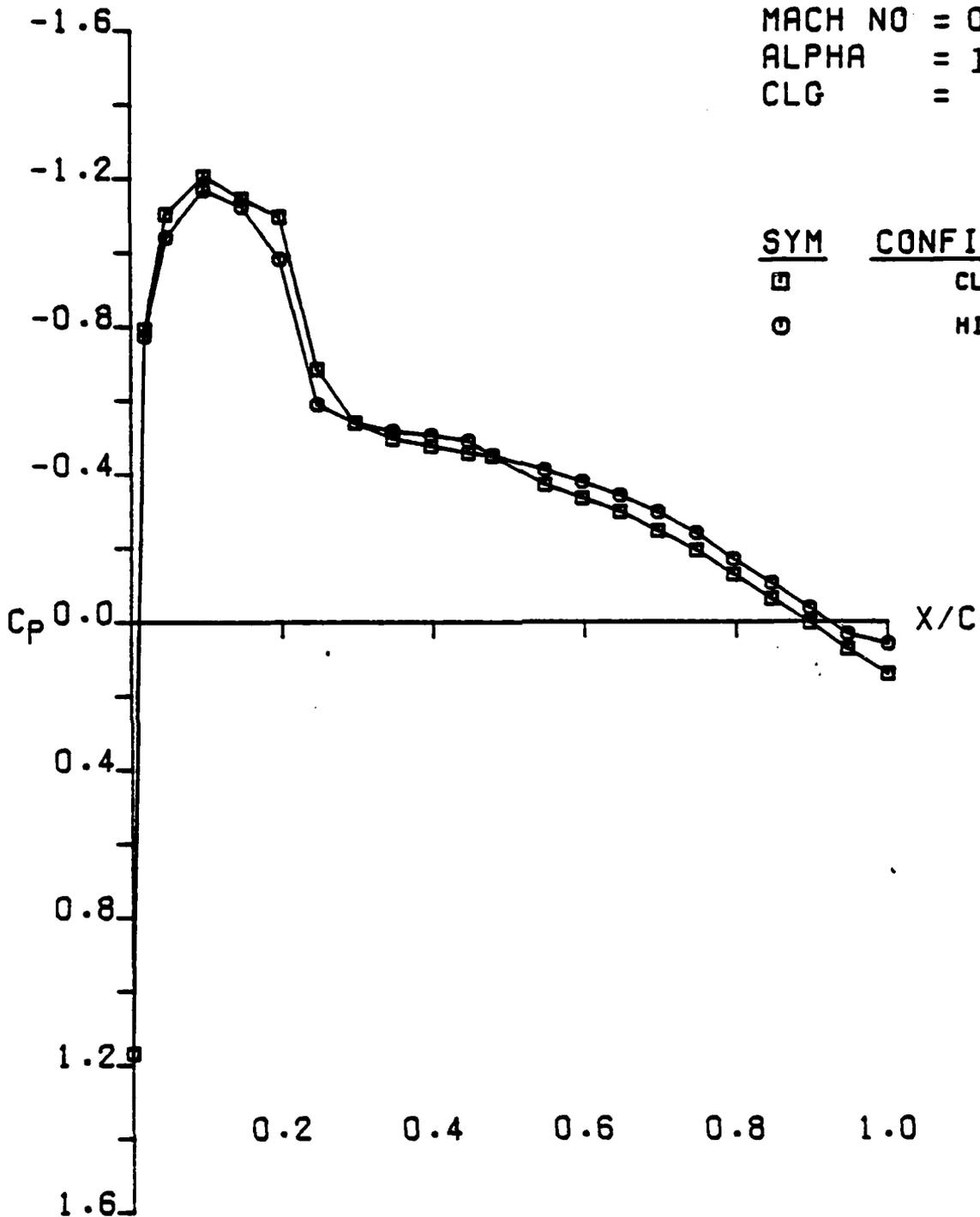


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406



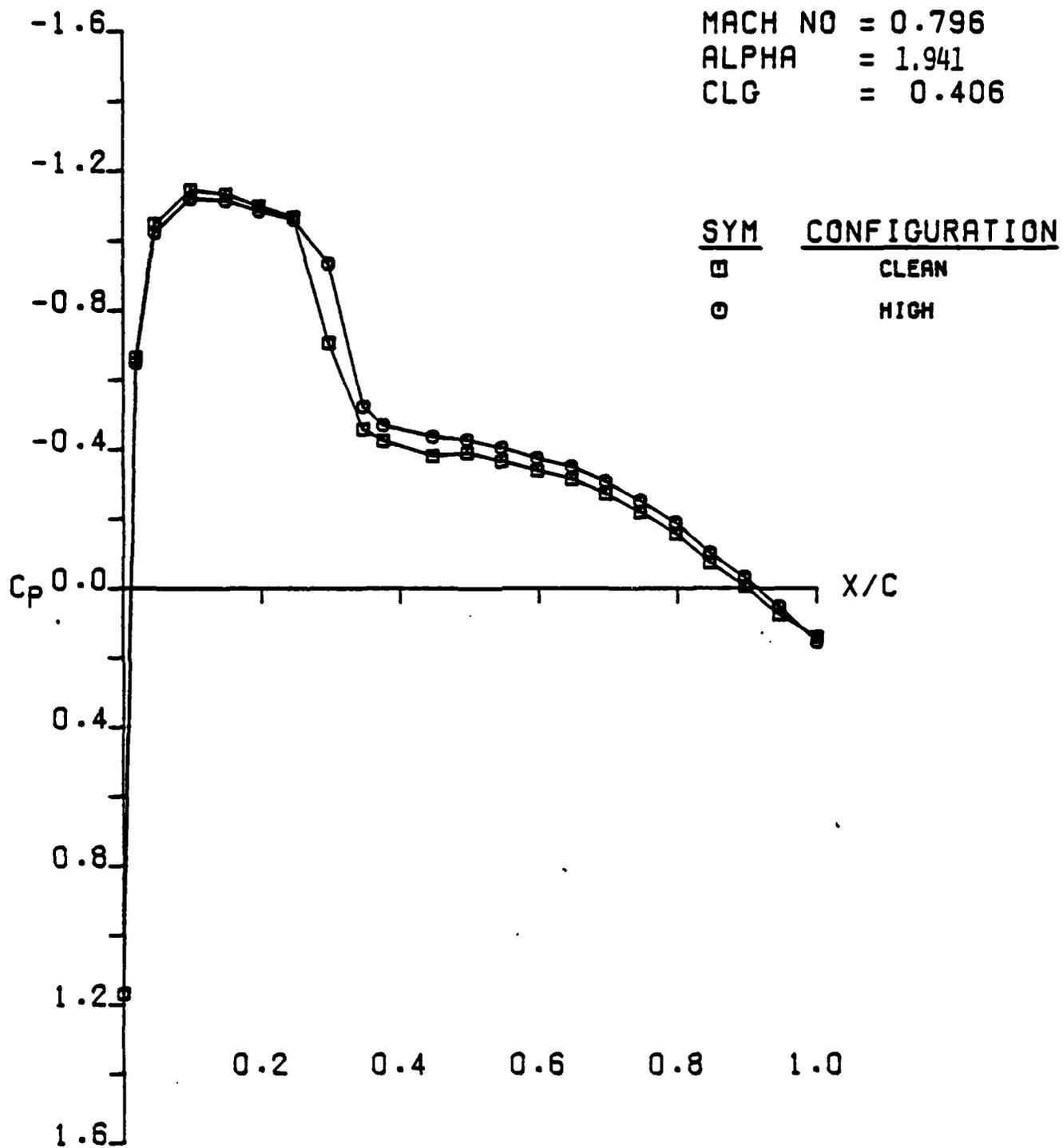
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



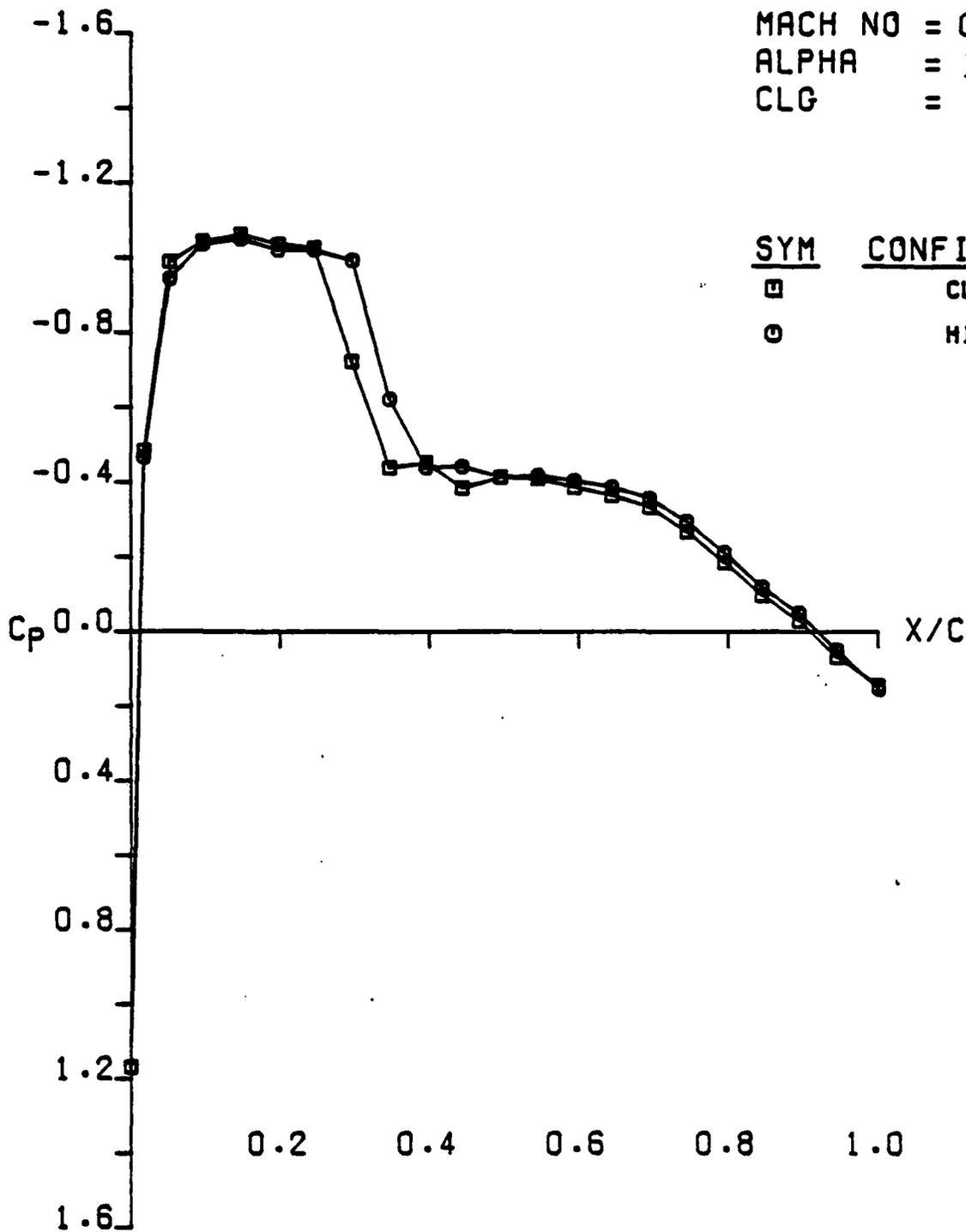
MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406

SYM	CONFIGURATION
□	CLEAN
○	HIGH

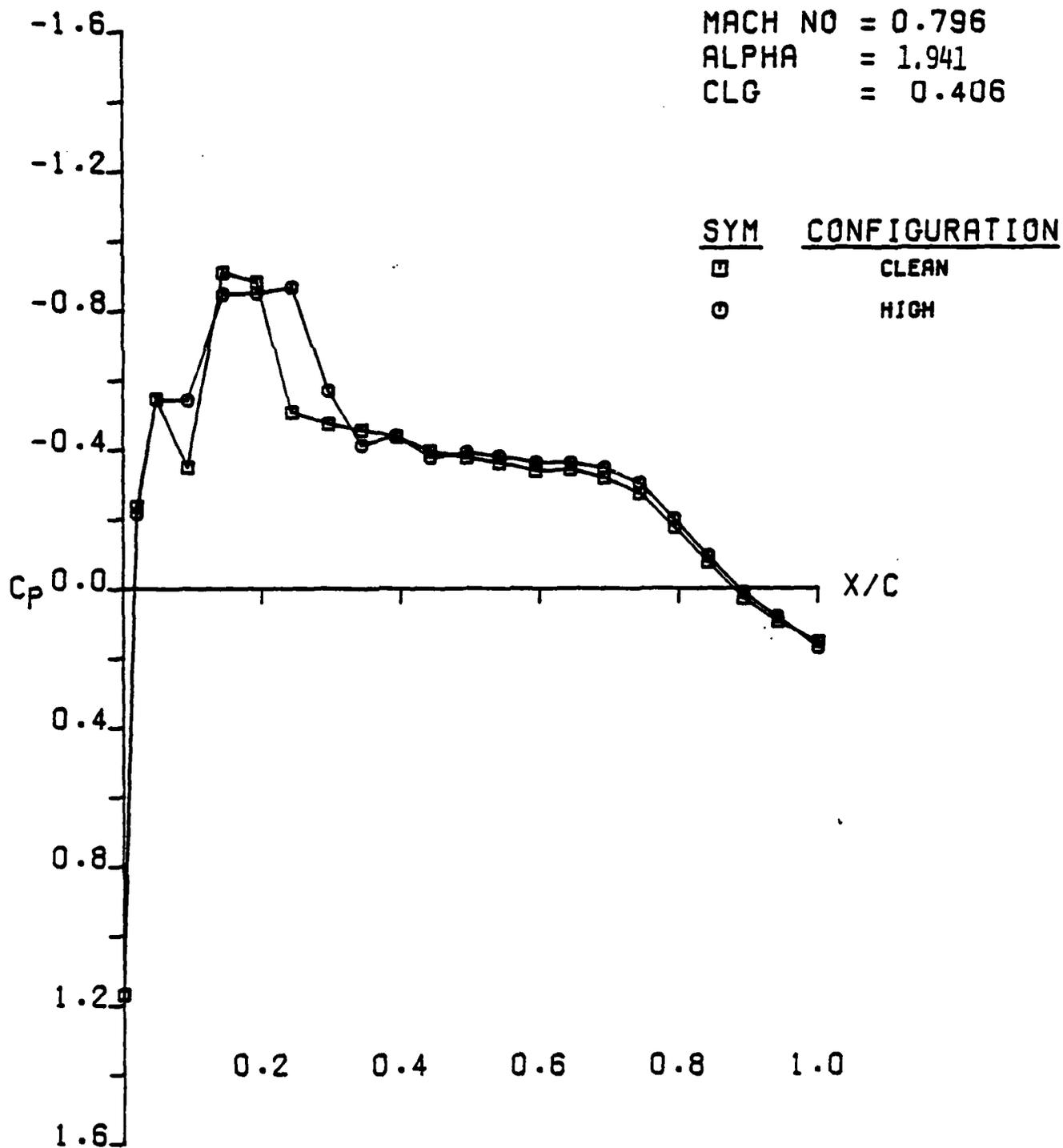
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



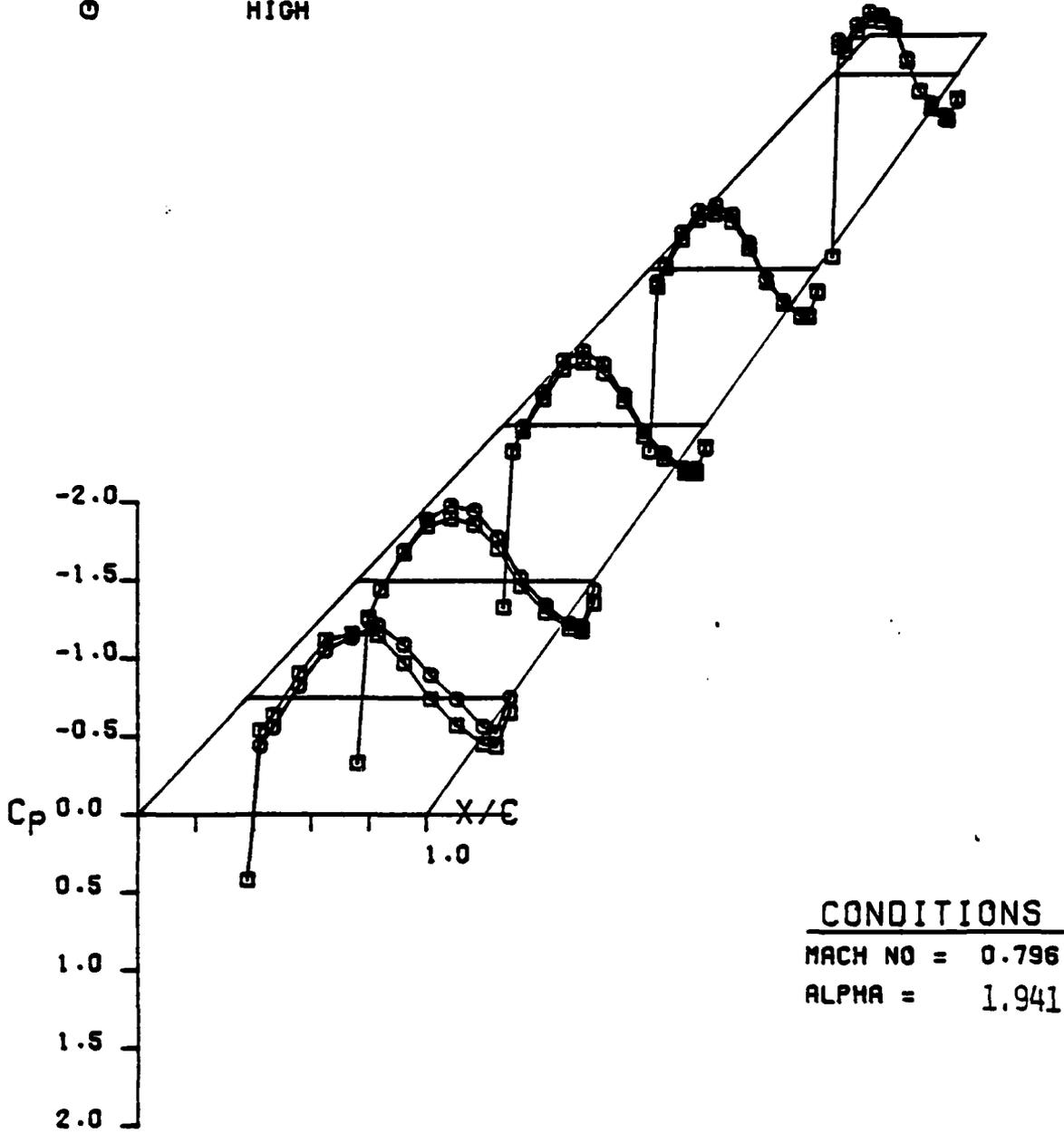
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



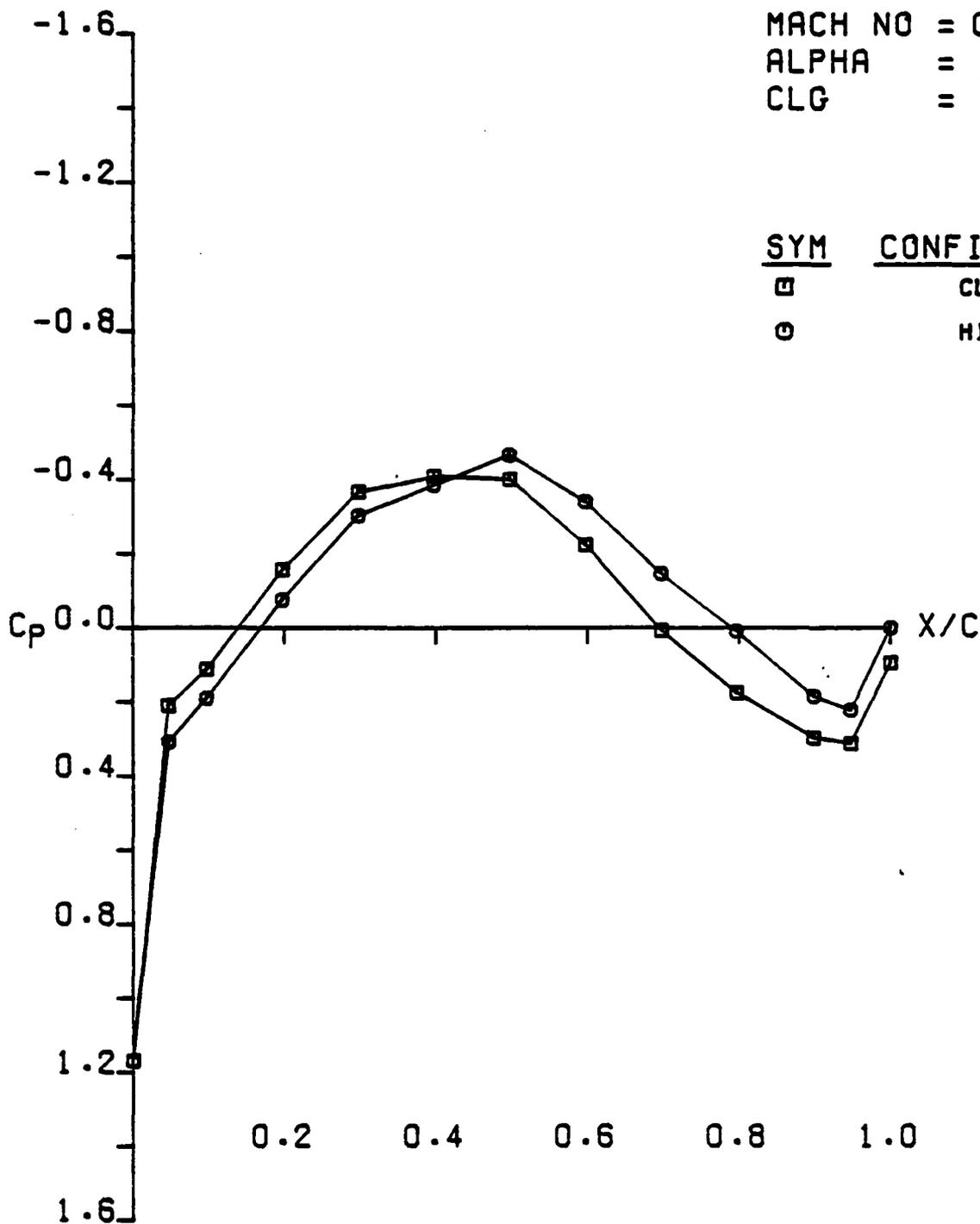
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

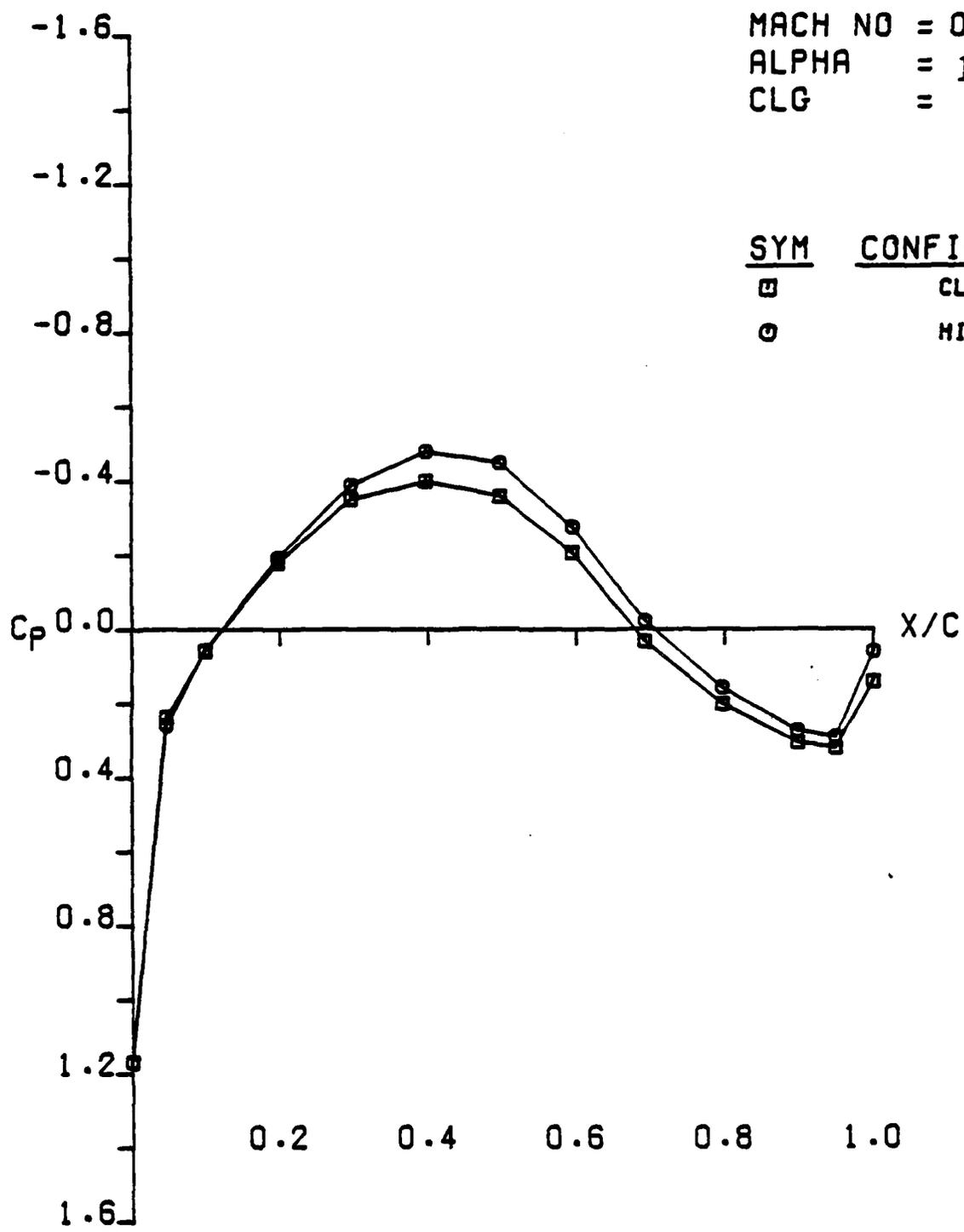
□ CLEAN
 ○ HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF)
 AFOSR SEMISPAN MODEL A.



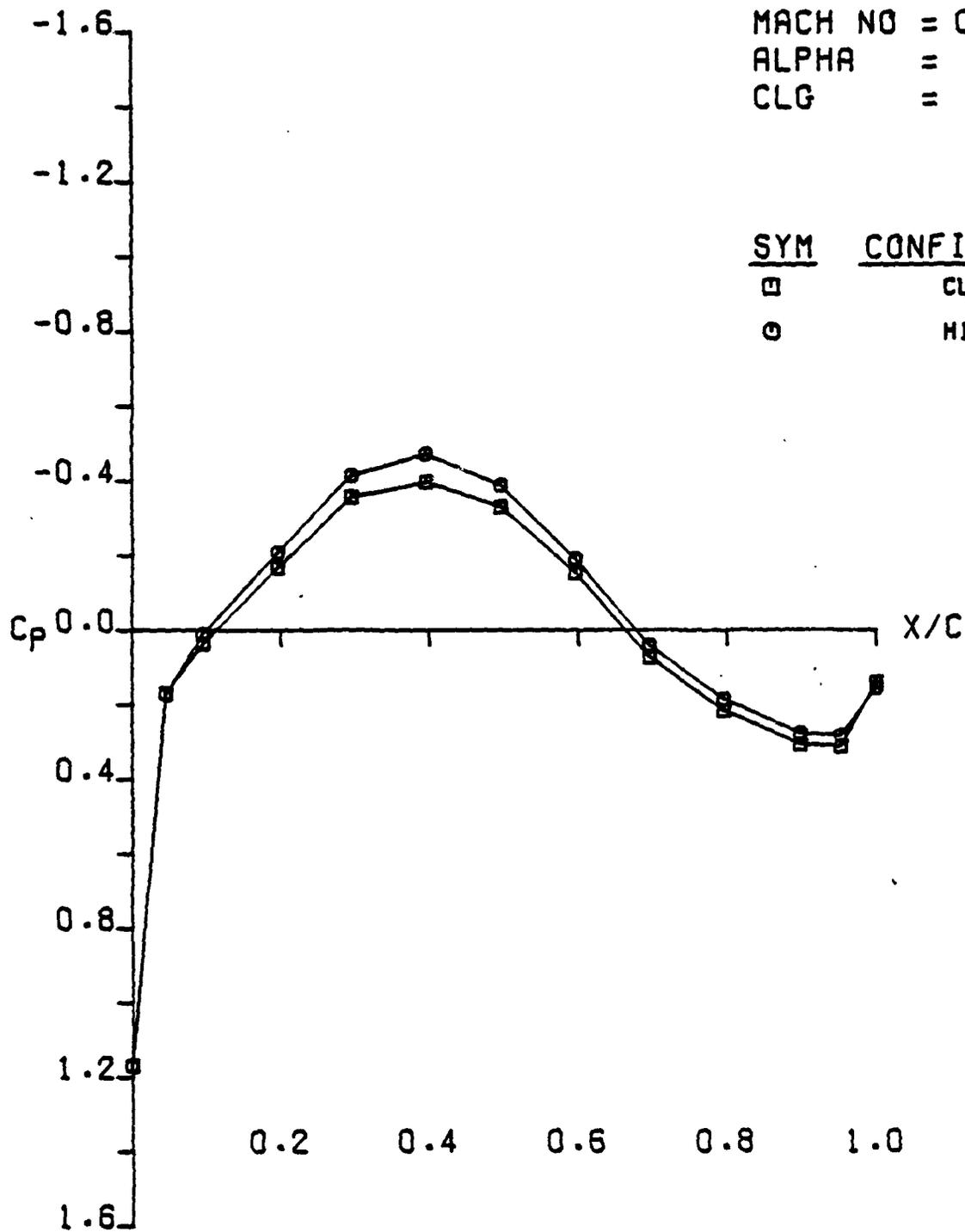
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

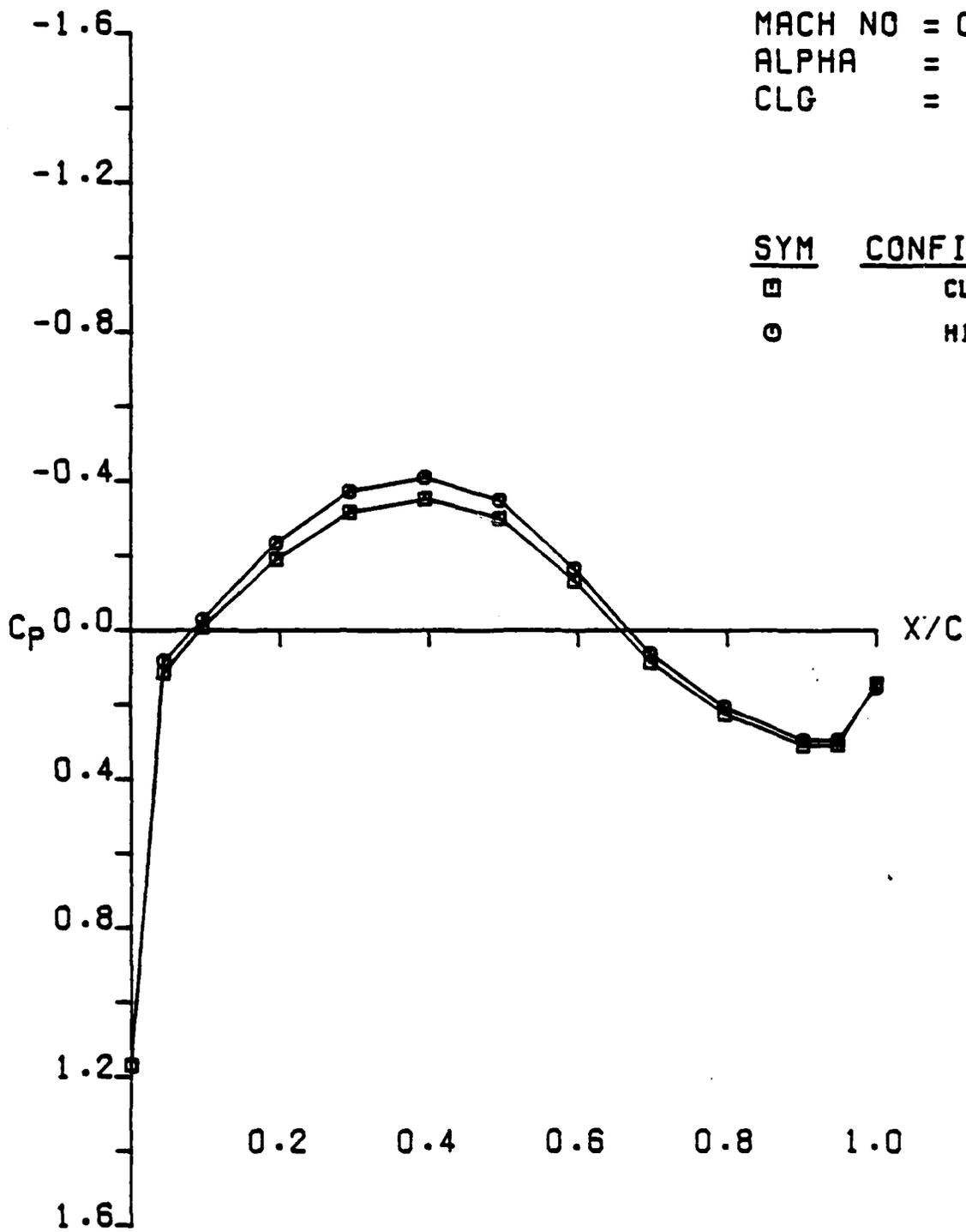
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



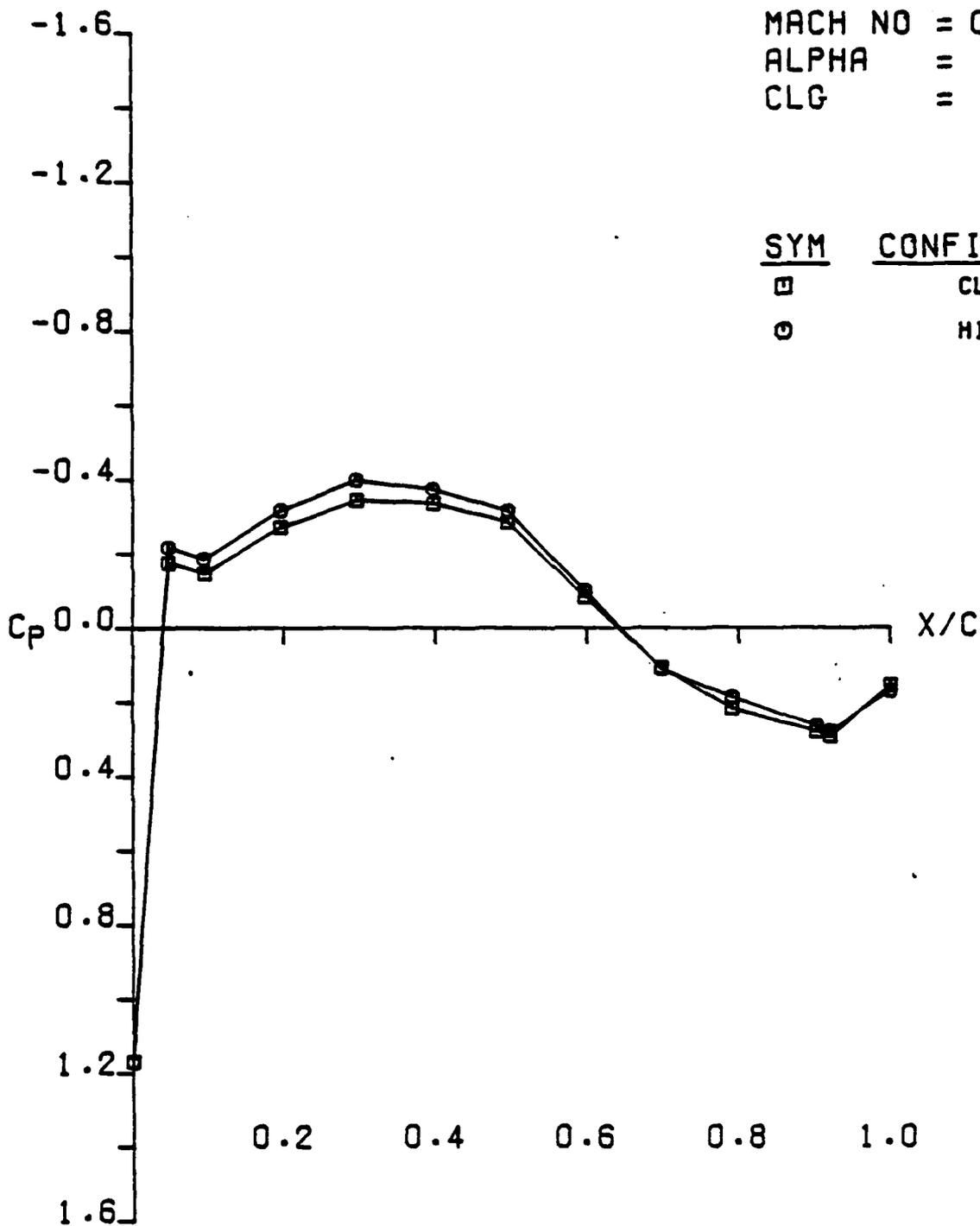
MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



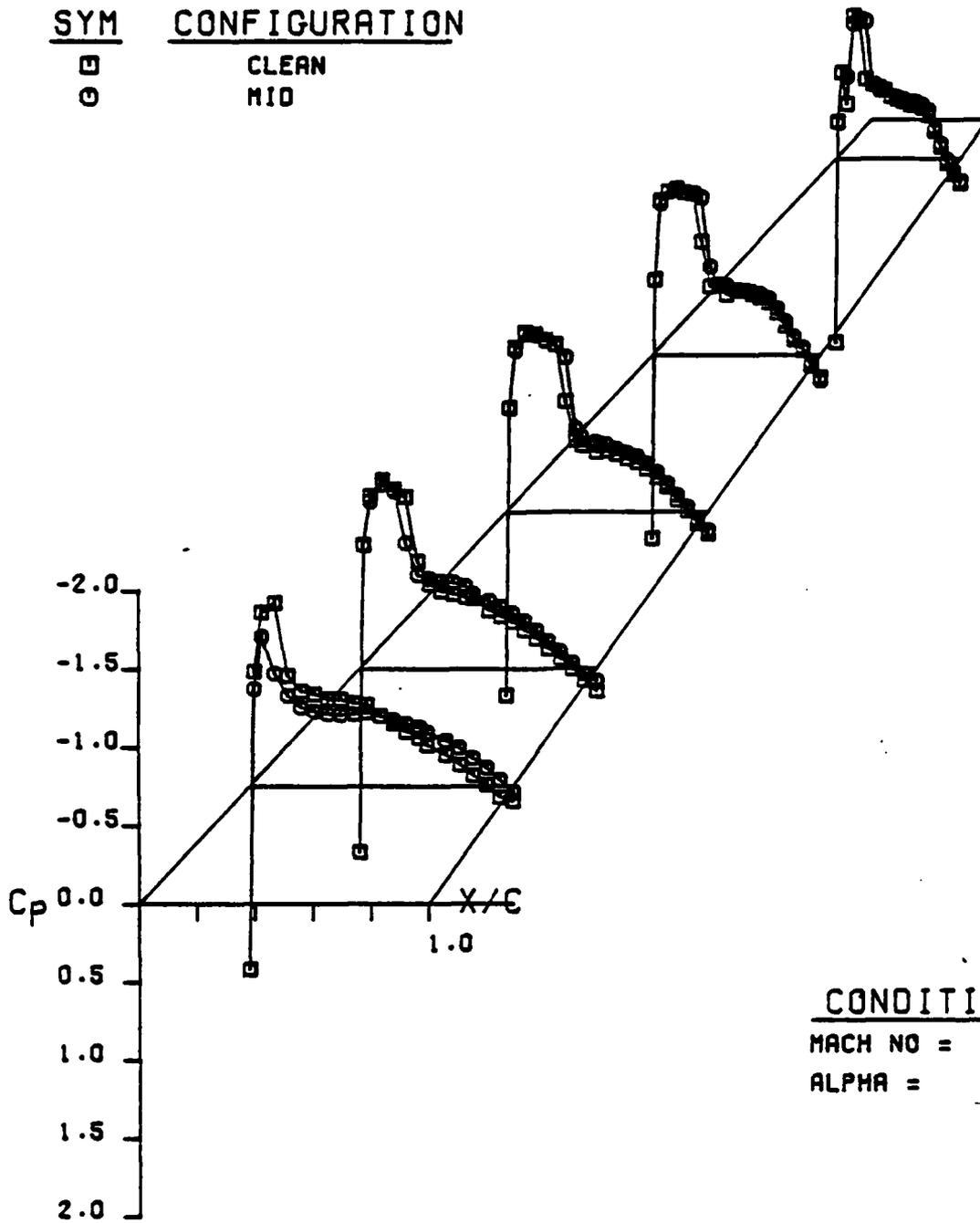
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



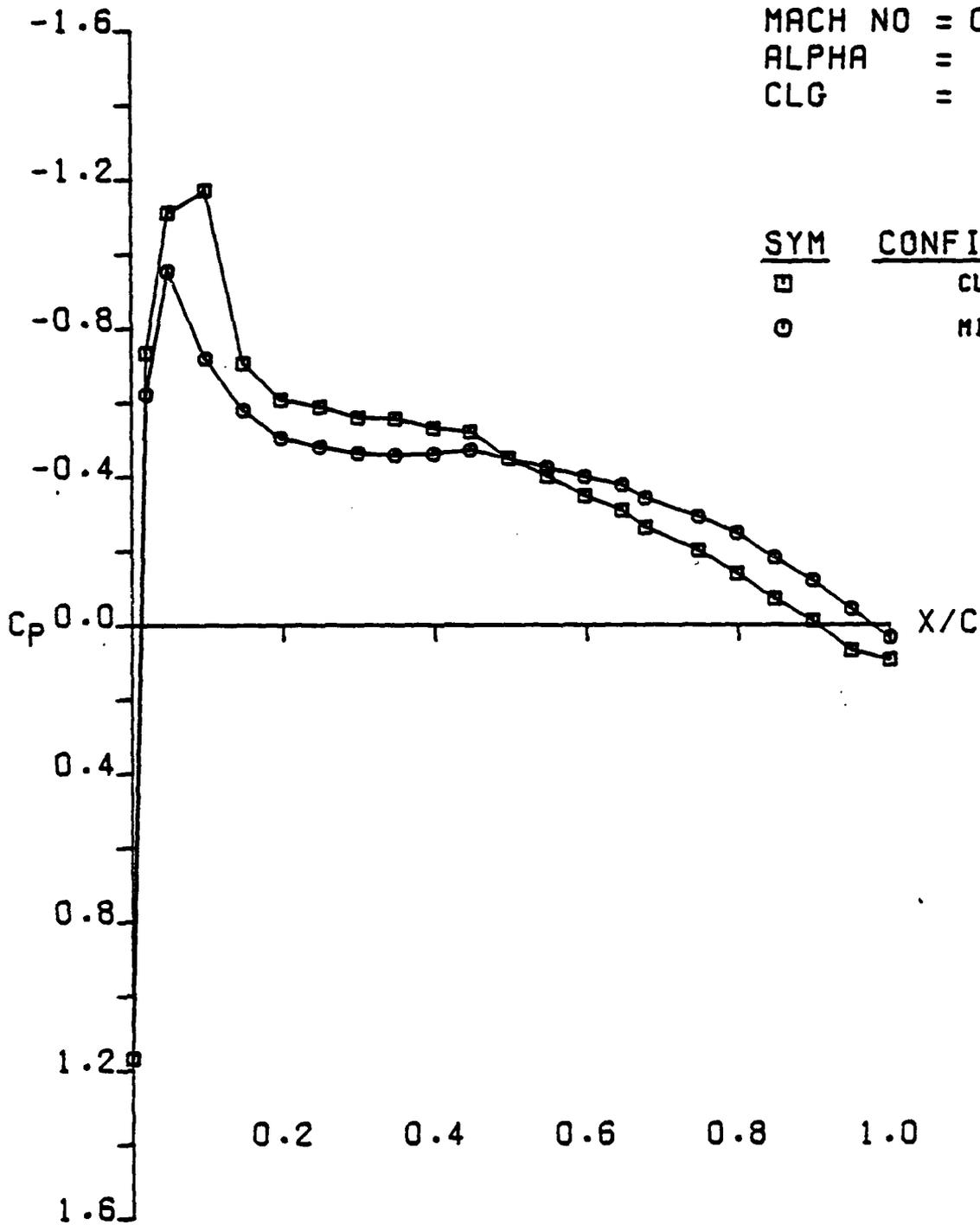
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

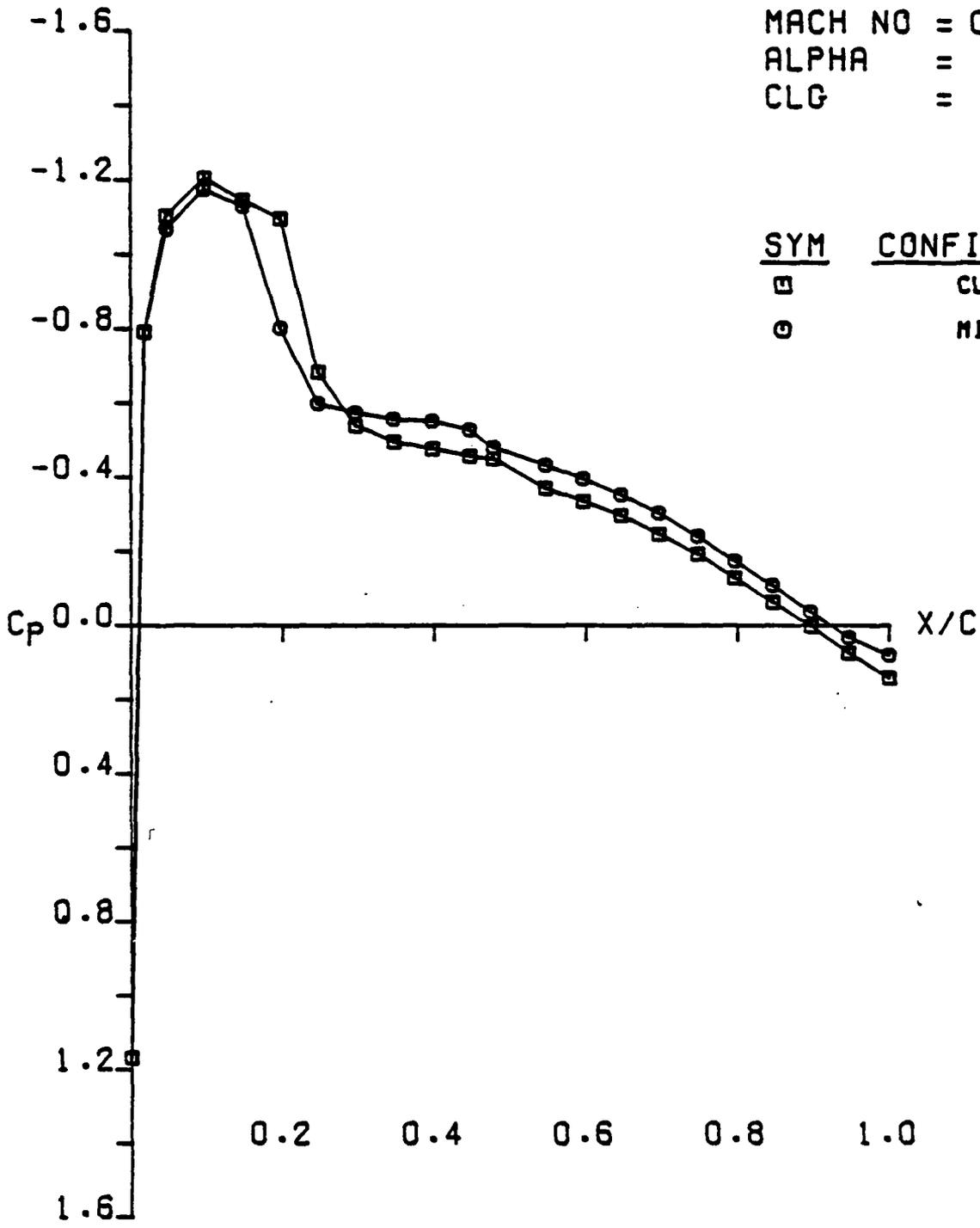
□ CLEAN
 ○ MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL A

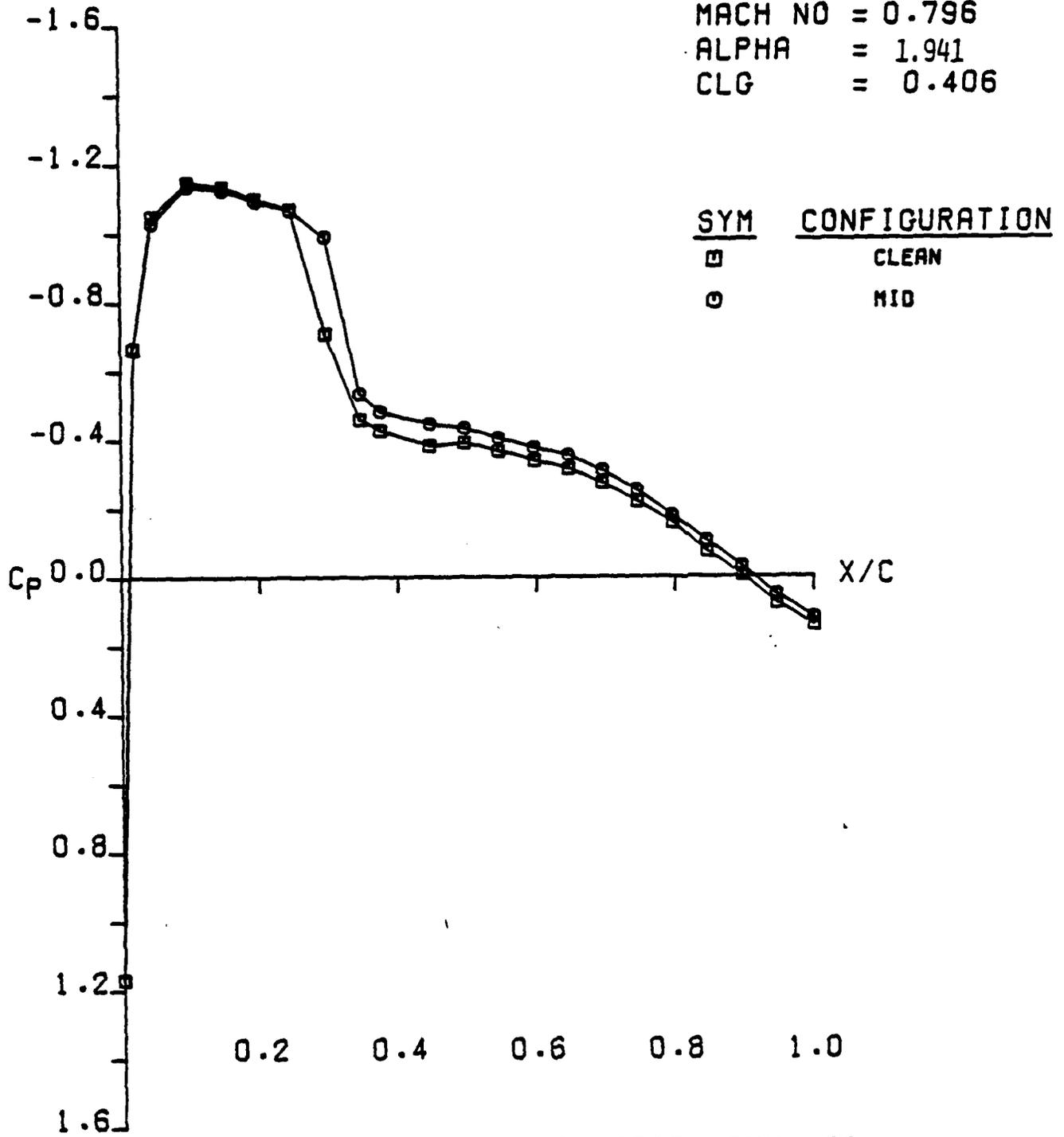


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

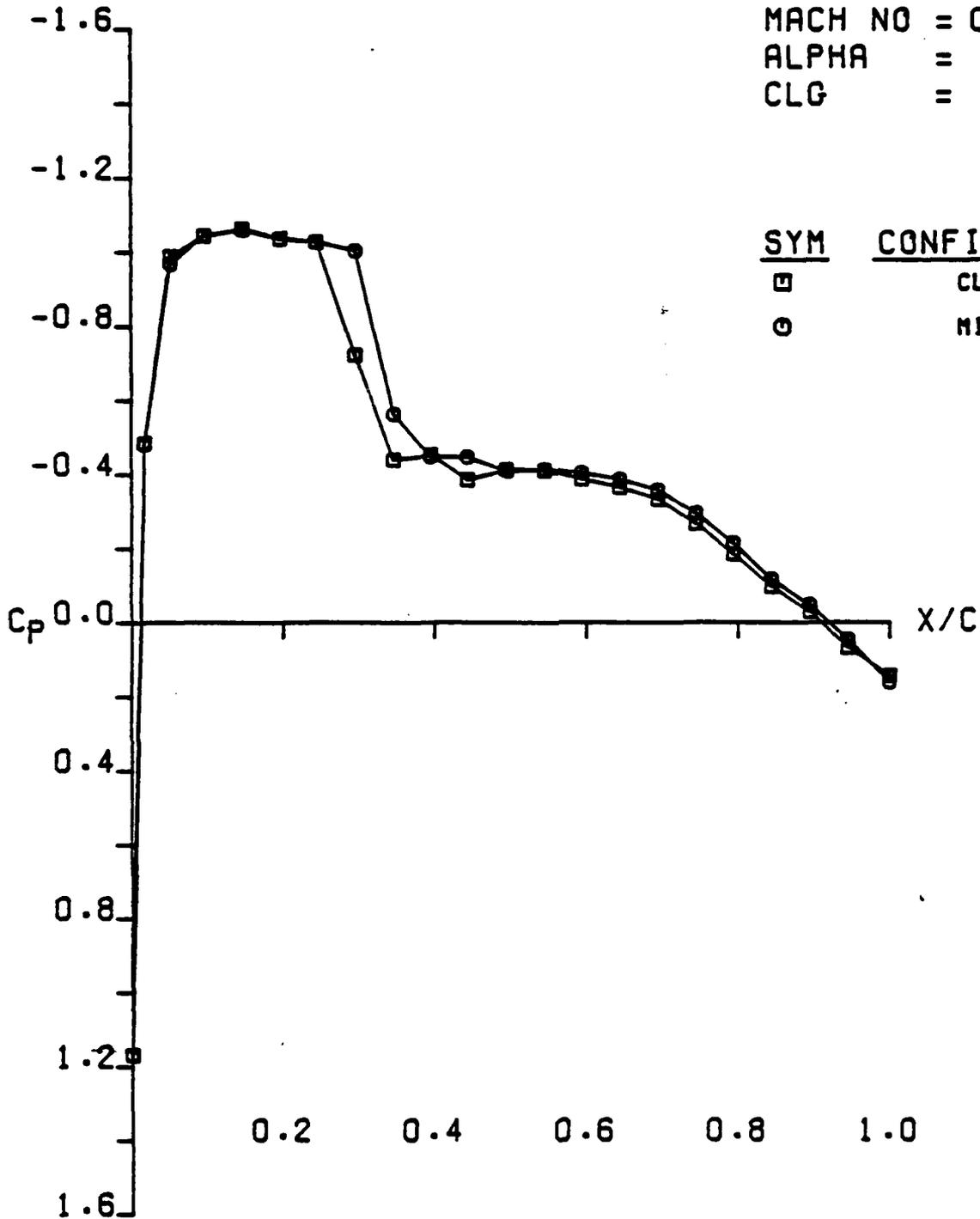


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

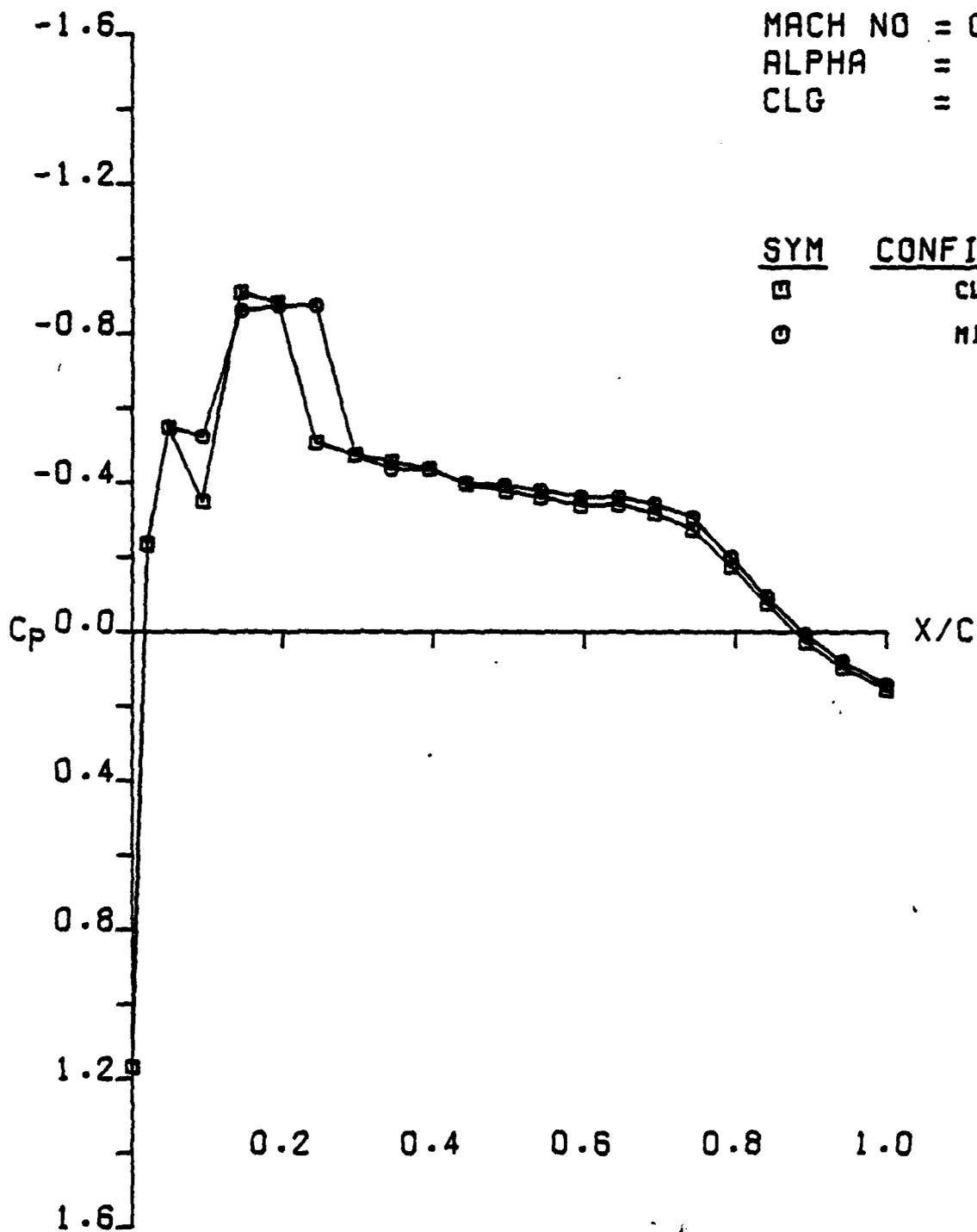
MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

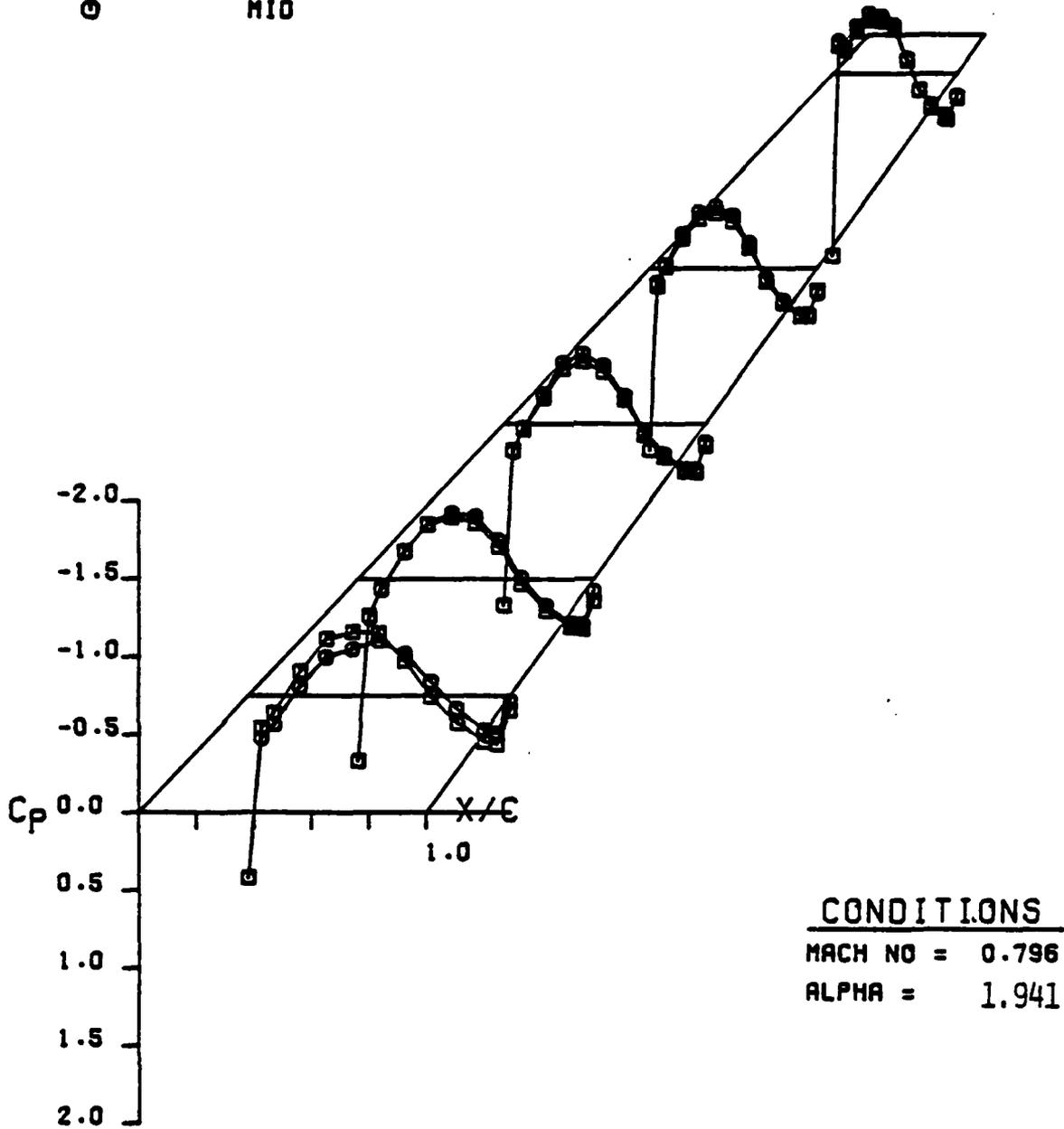


MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

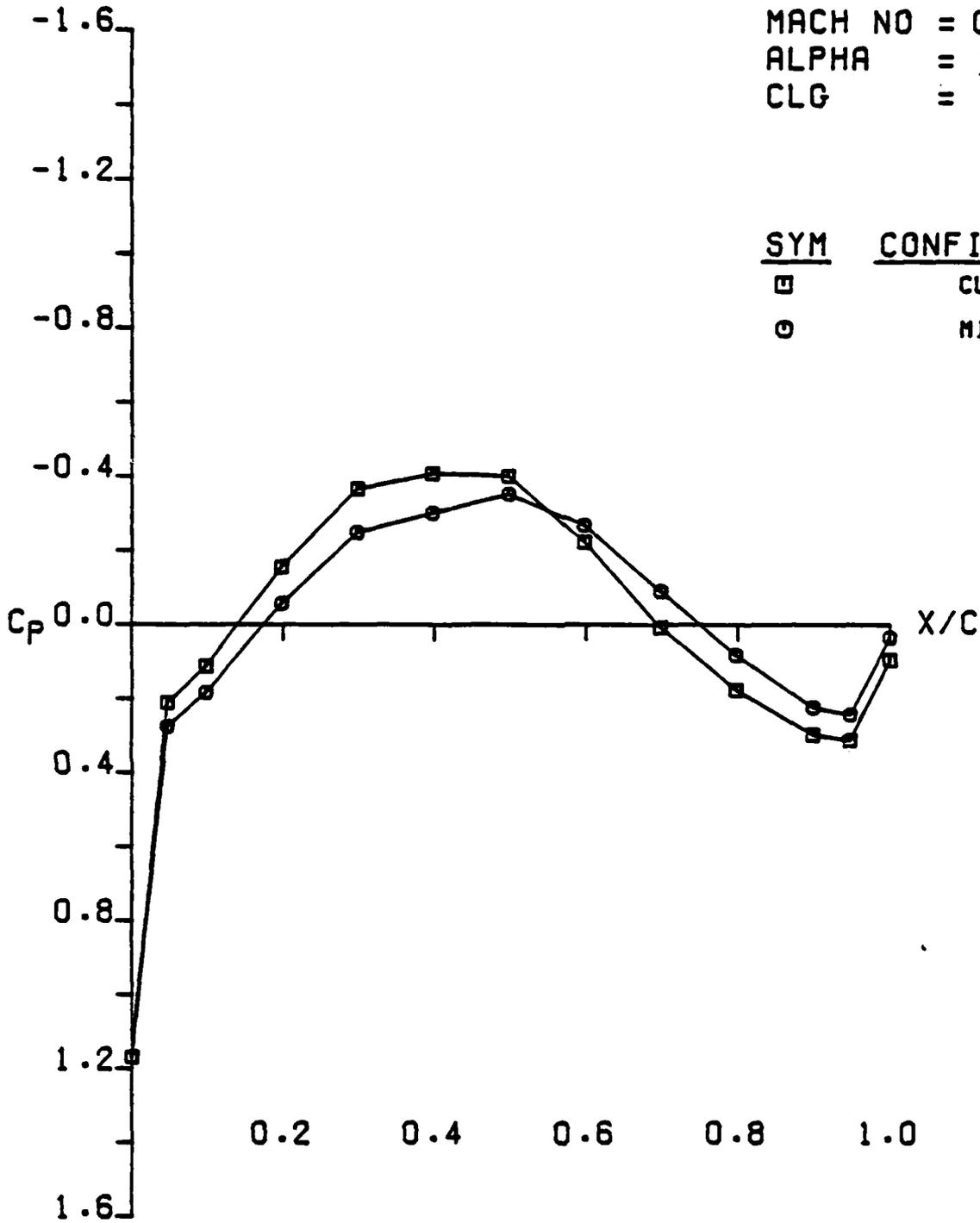
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



CONDITIONS
MACH NO = 0.796
ALPHA = 1.941

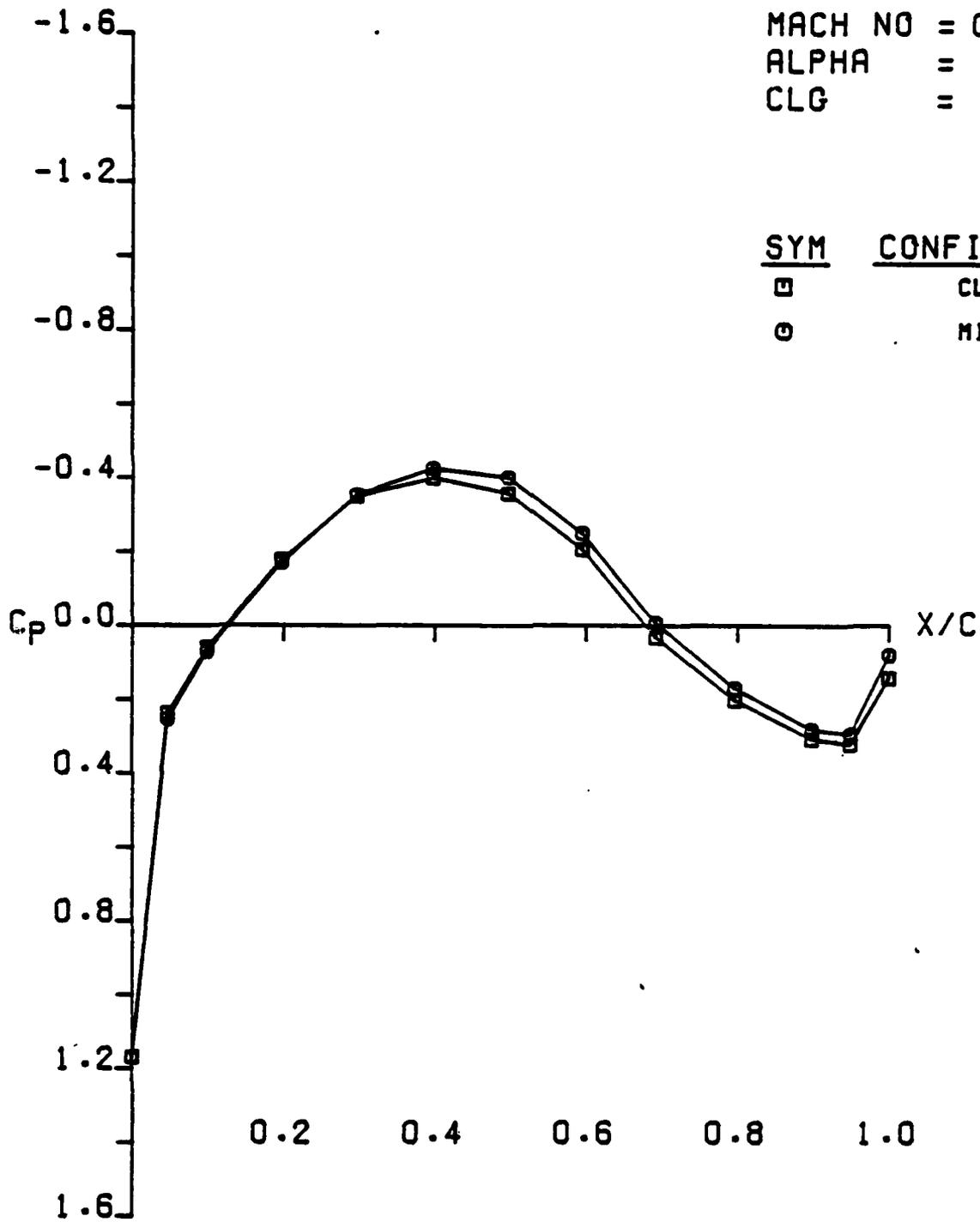
LOCKHEED CFWT SEMI-SPAN TEST. RUN 29
CLN VS MID (LWR SURF)
AFOSR SEMISPAN MODEL A

MACH NO = 0.796
ALPHA = 1.941
CLG = 0.406



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (LWR SURF ETA .15)
AFOSR SEMISPAN MODEL A

MACH NO = 0.796
ALPHA = 1.941
CLG = 0.406

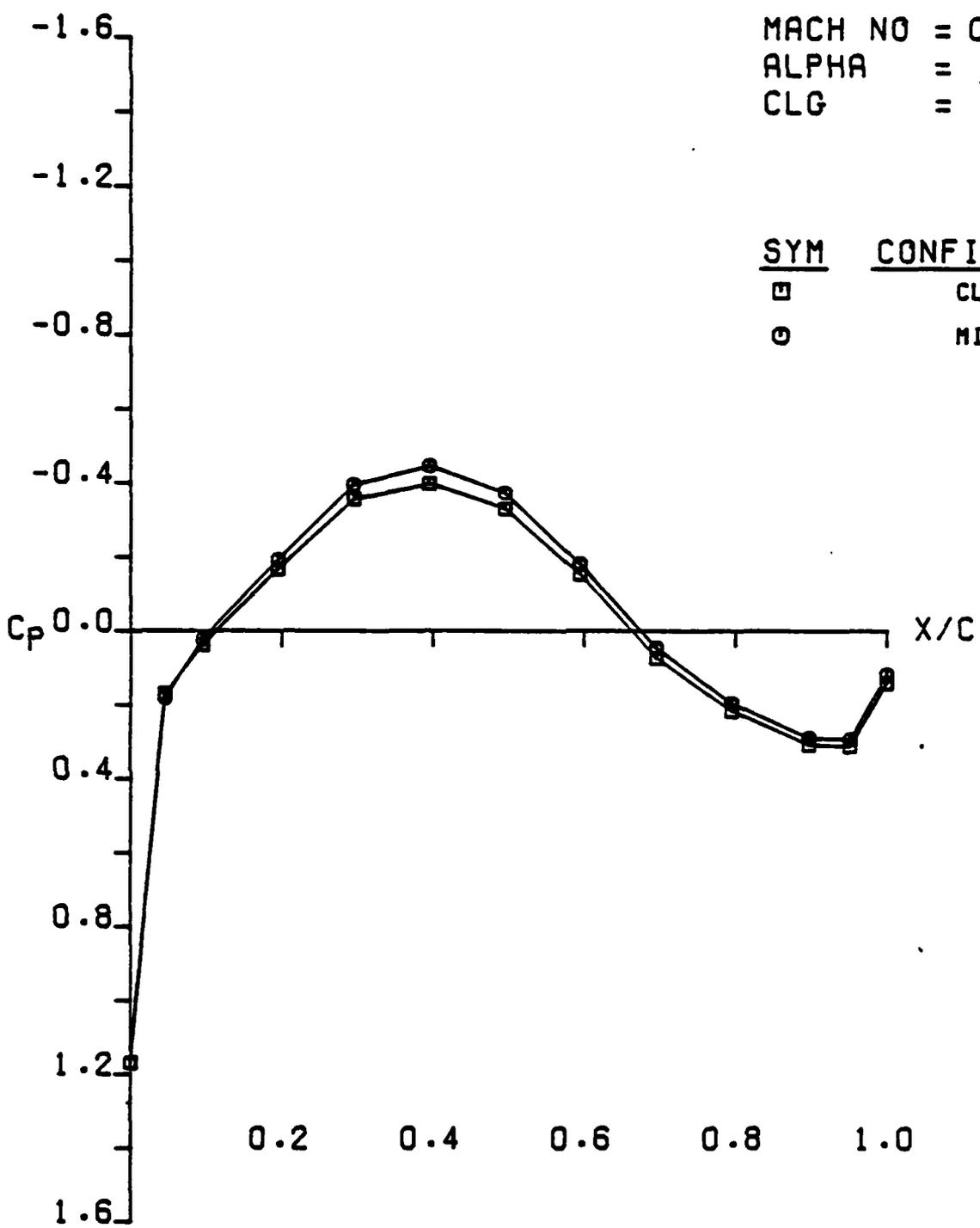


<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (LWR SURF ETA .30)
AFOSR SEMISPAN MODEL A

MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406

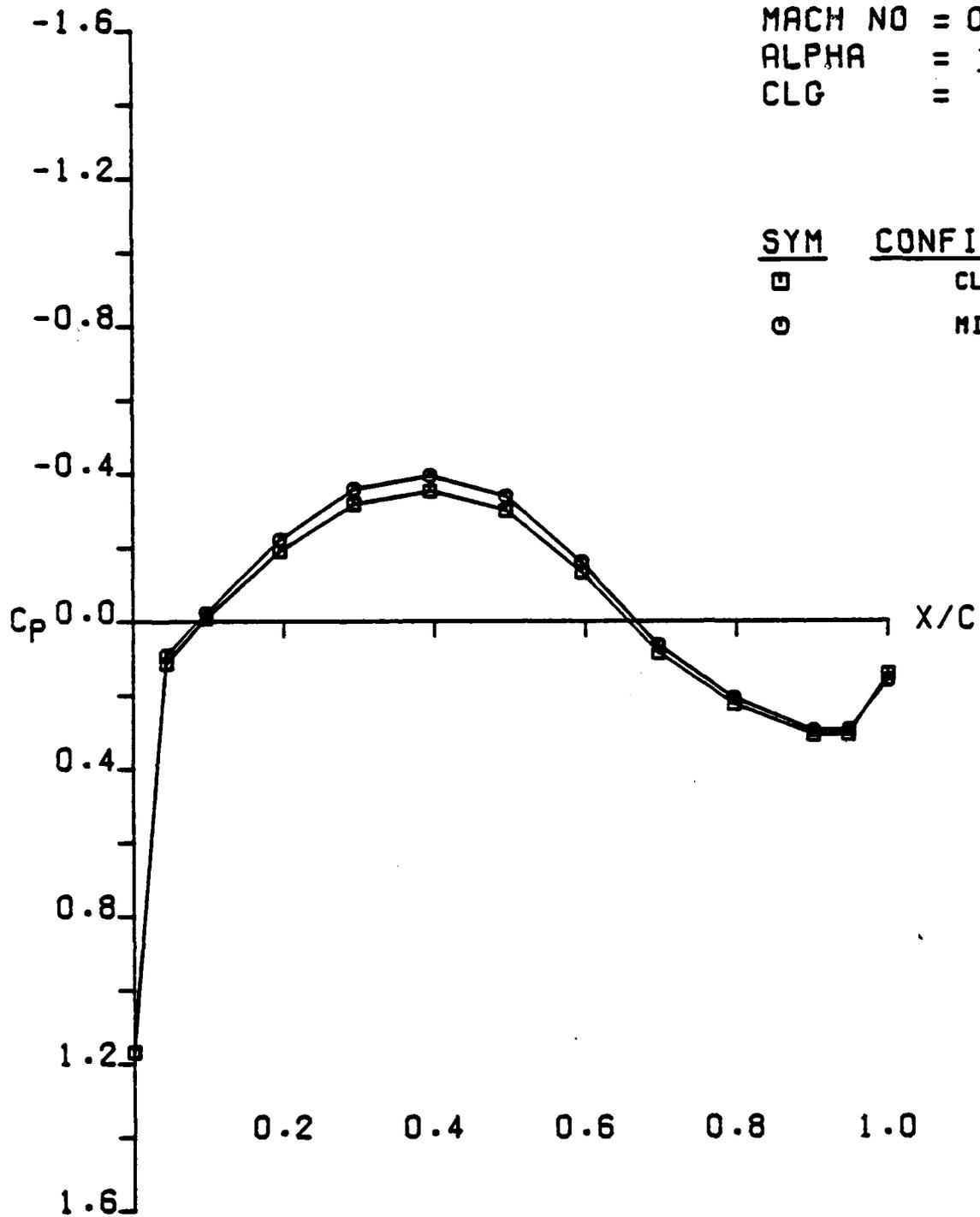
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.796
ALPHA = 1.941
CLG = 0.406

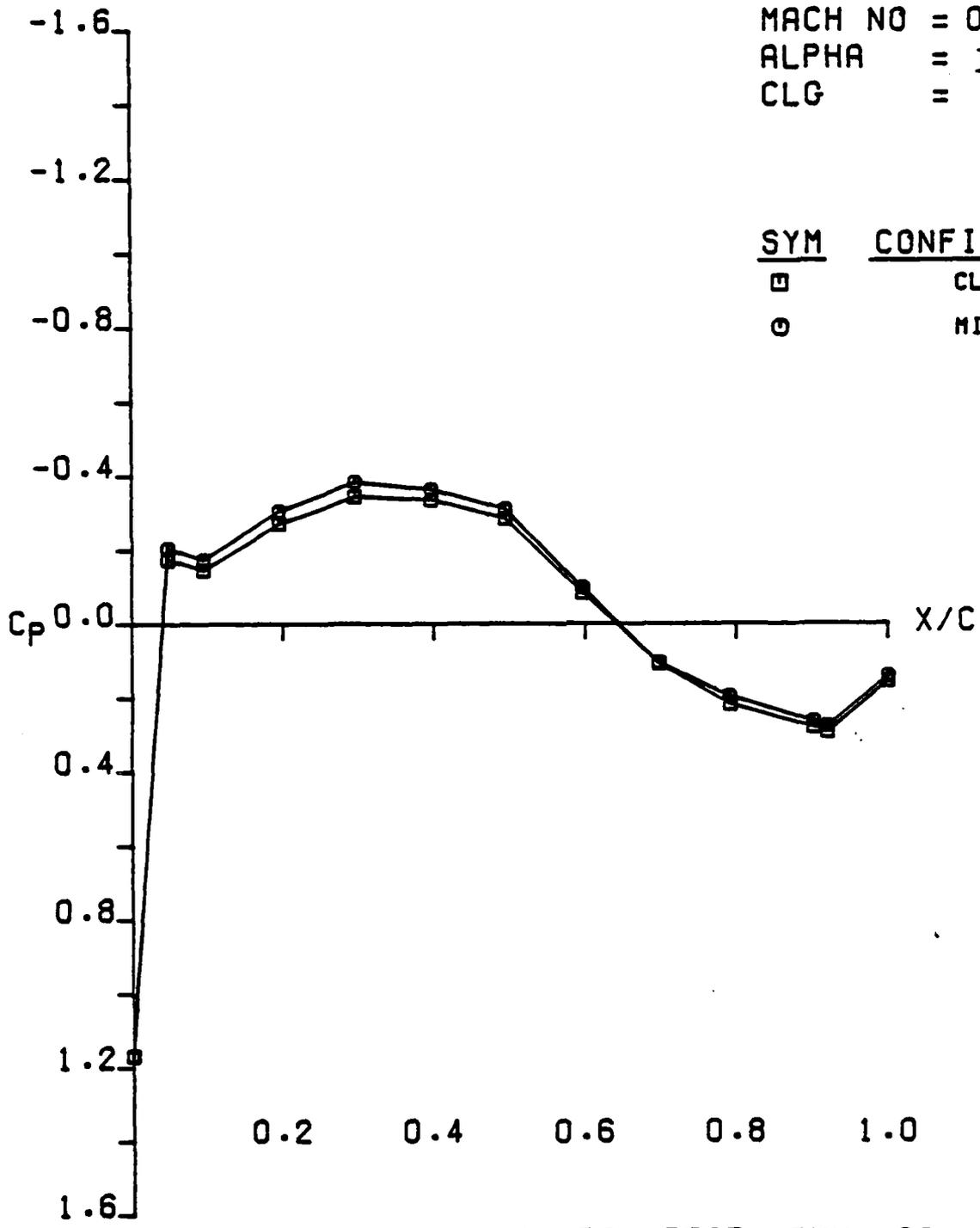
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (LWR SURF ETA .70)
AFOSR SEMISPAN MODEL A

MACH NO = 0.796
ALPHA = 1.941
CLG = 0.406

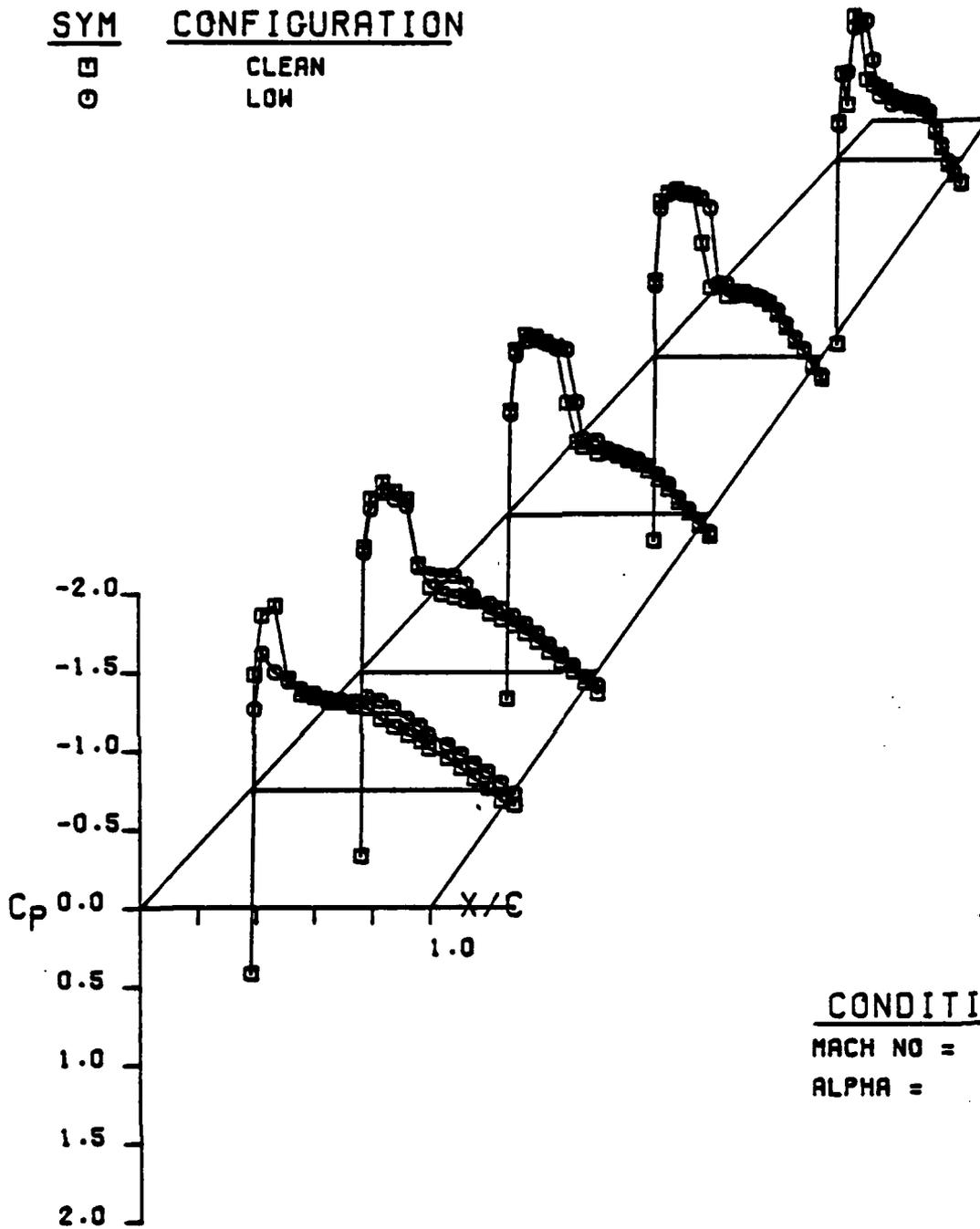
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (LWR SURF ETA .95)
AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ LOW



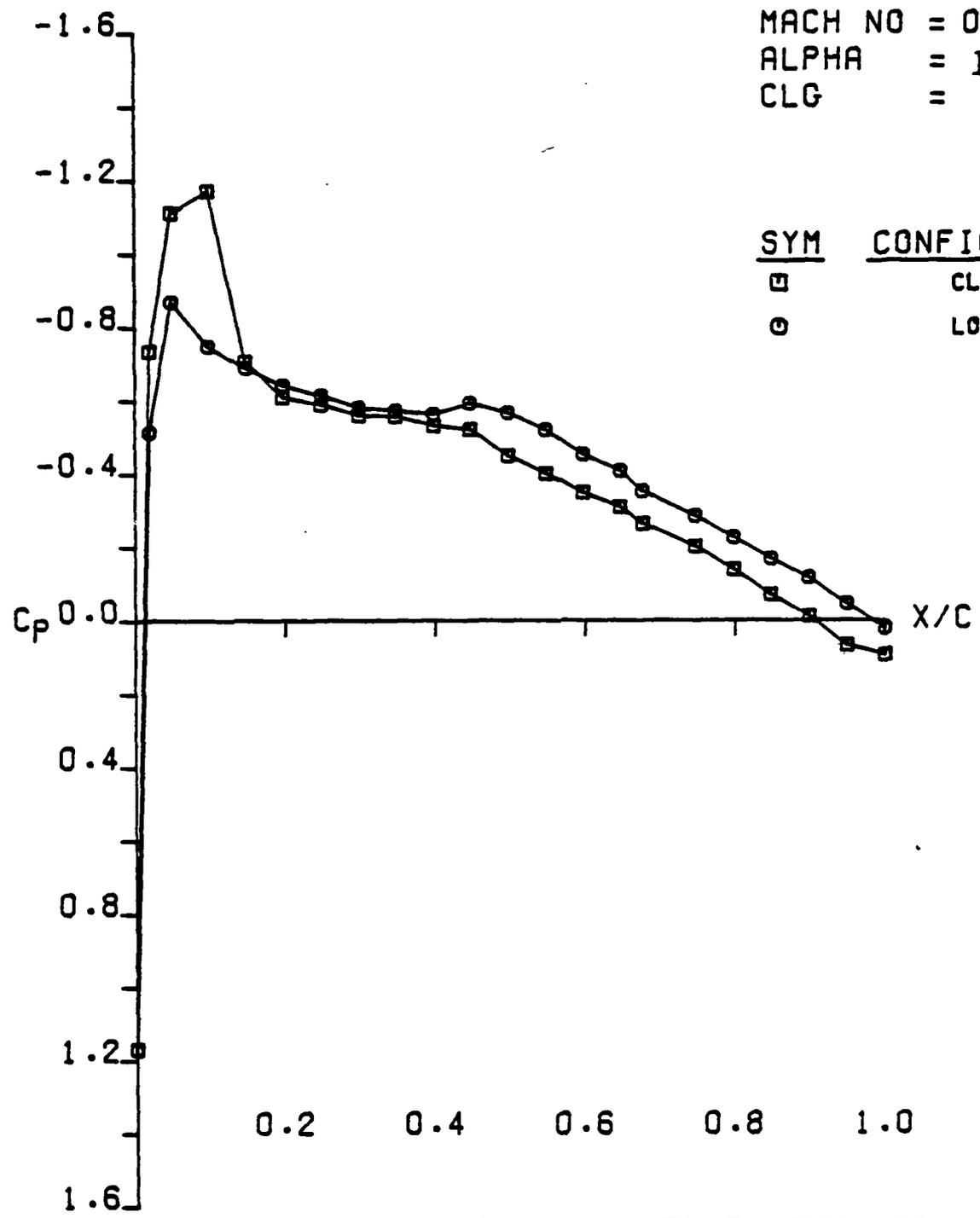
CONDITIONS

MACH NO = 0.796
 ALPHA = 1.941

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

AD-A085 259

LOCKHEED-GEORGIA CO MARIETTA
ACQUISITION AND APPLICATION OF TRANSONIC WING AND FAR-FIELD YES--ETC(U)
MAR 80 B L HINSON, K P BURGES
LG80ER0012-VOL-2

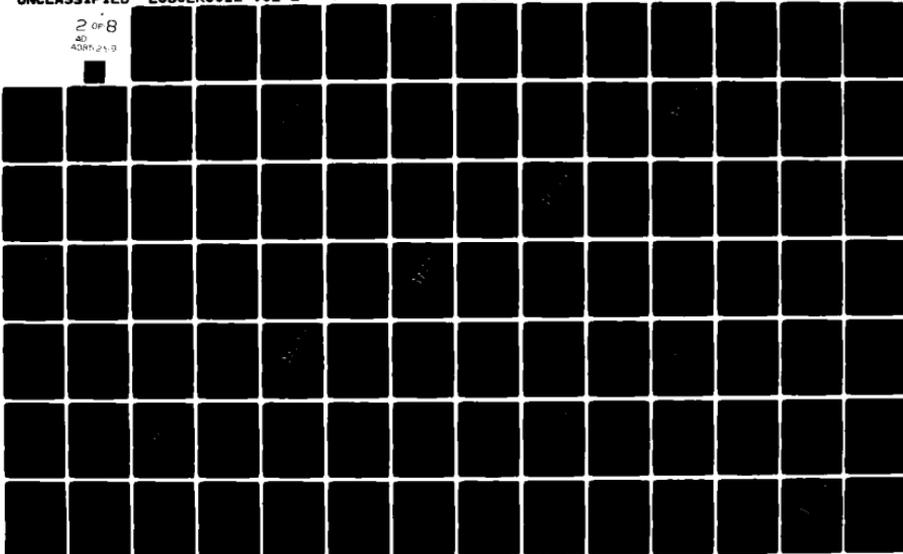
F/G 20/4

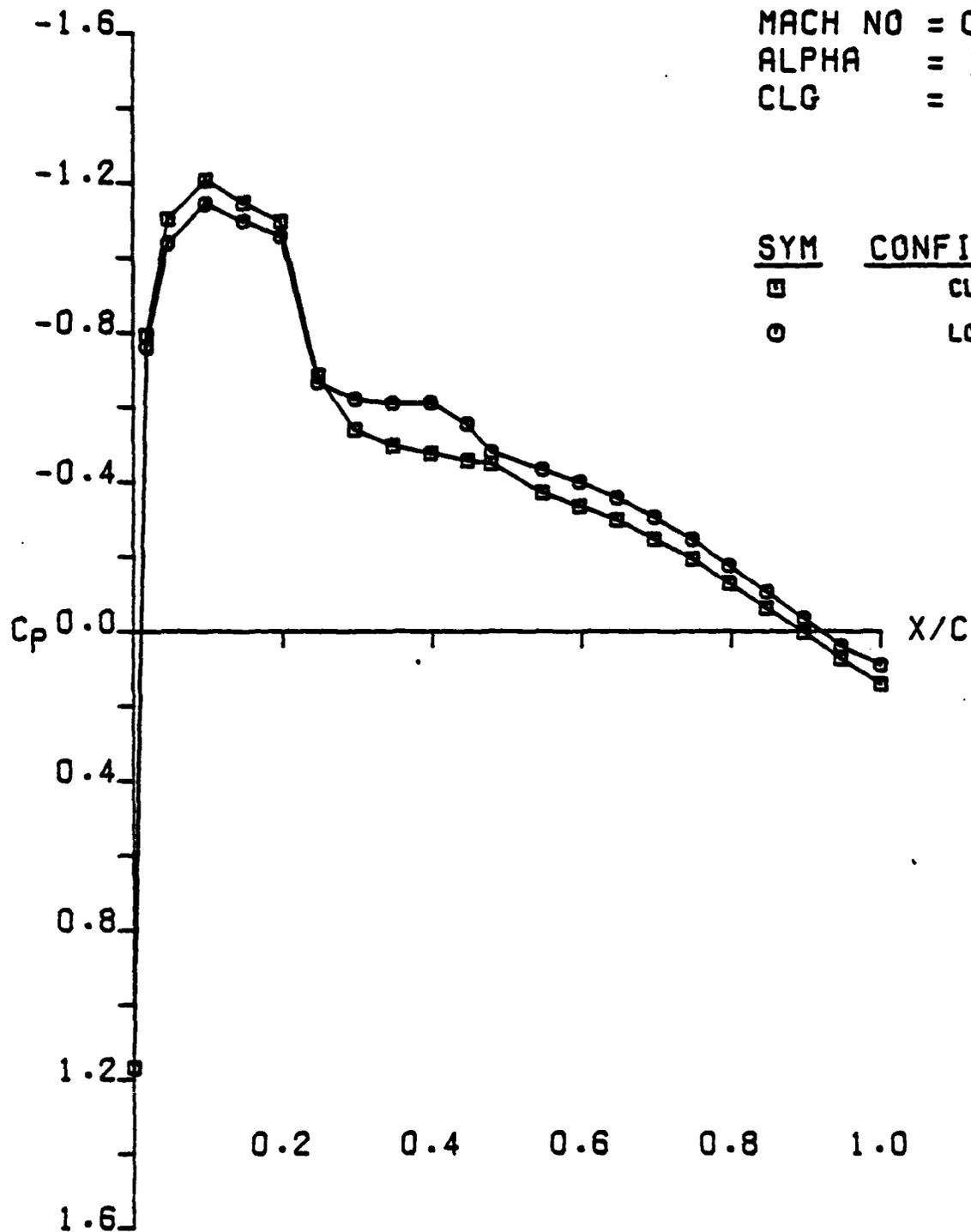
F49620-78-C-0068

UNCLASSIFIED

AFOSR-TR-80-0422-VOL-2-APP NL

2 of 8
AD
ADM. 259



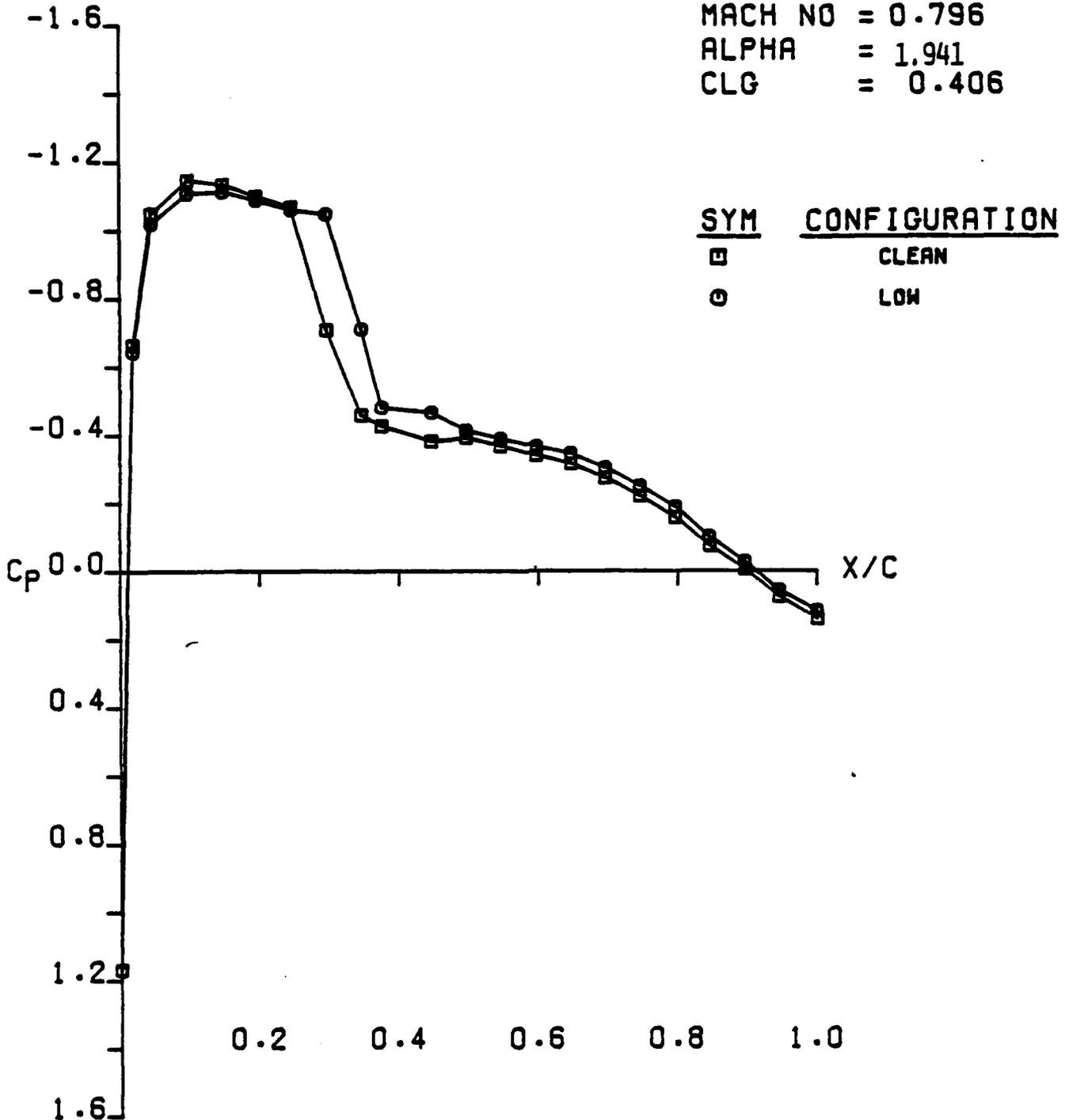


MACH NO = 0.796
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 CLG = 0.406

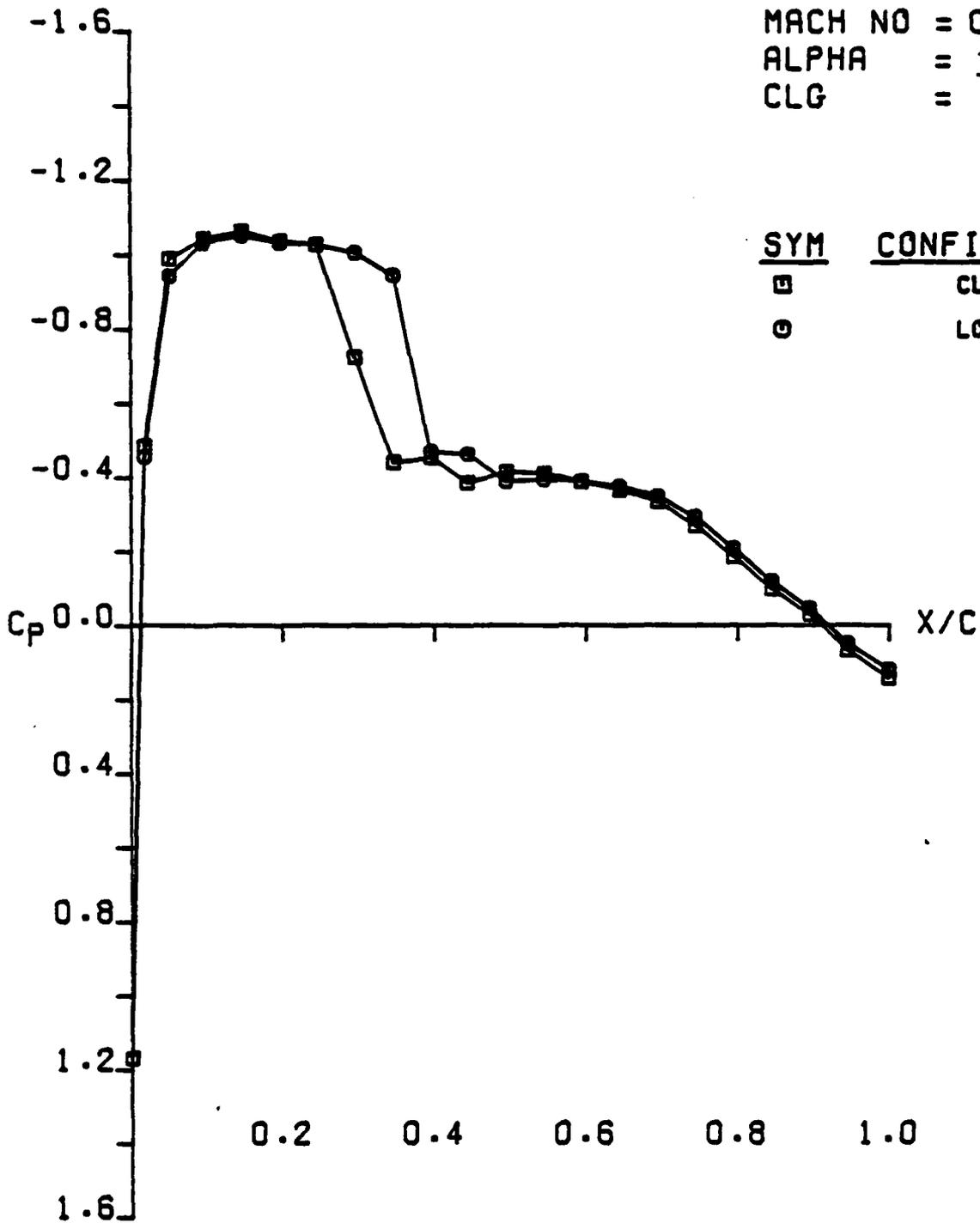
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.796
ALPHA = 1.941
CLG = 0.406



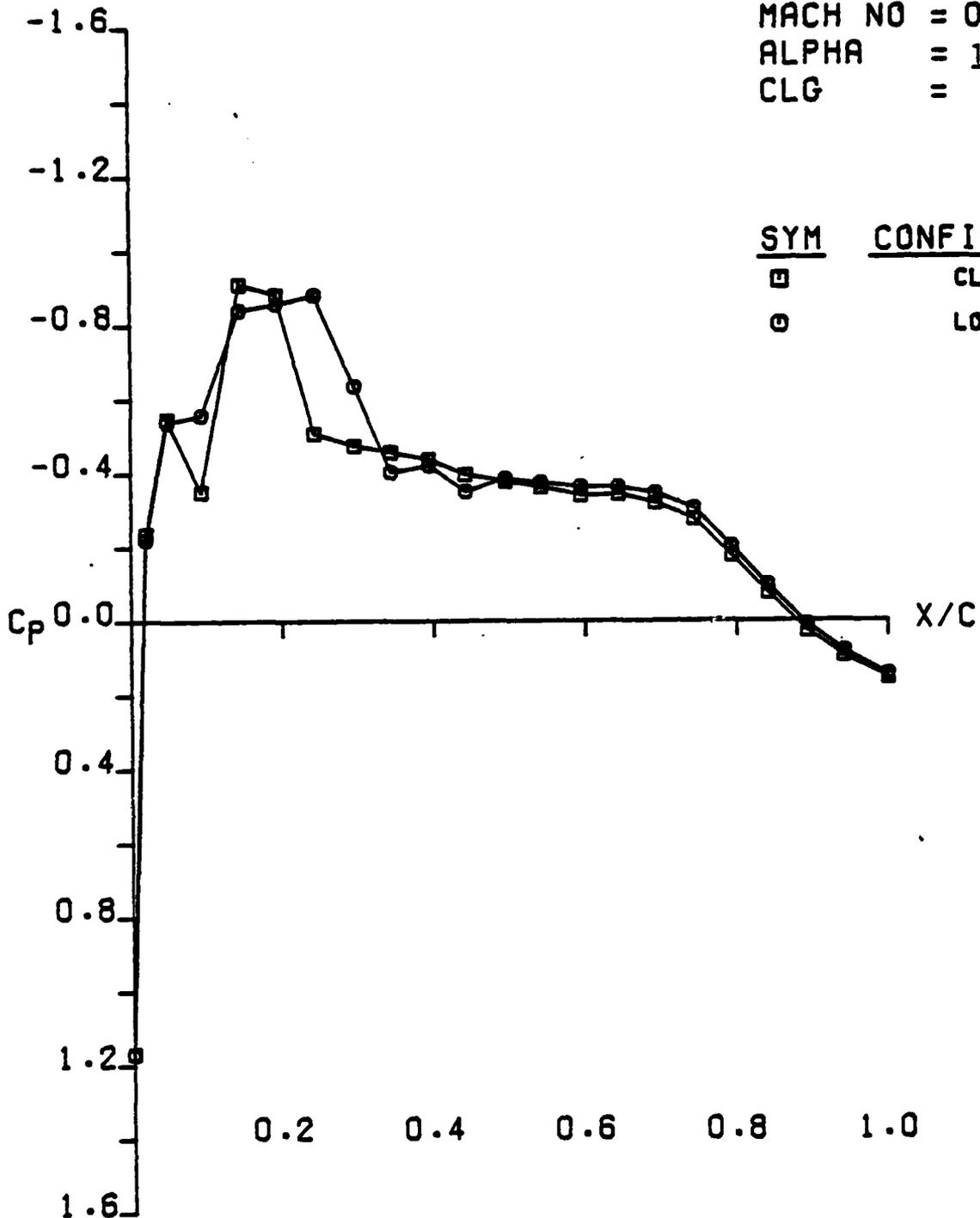
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (UPR SURF ETA .50)
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406

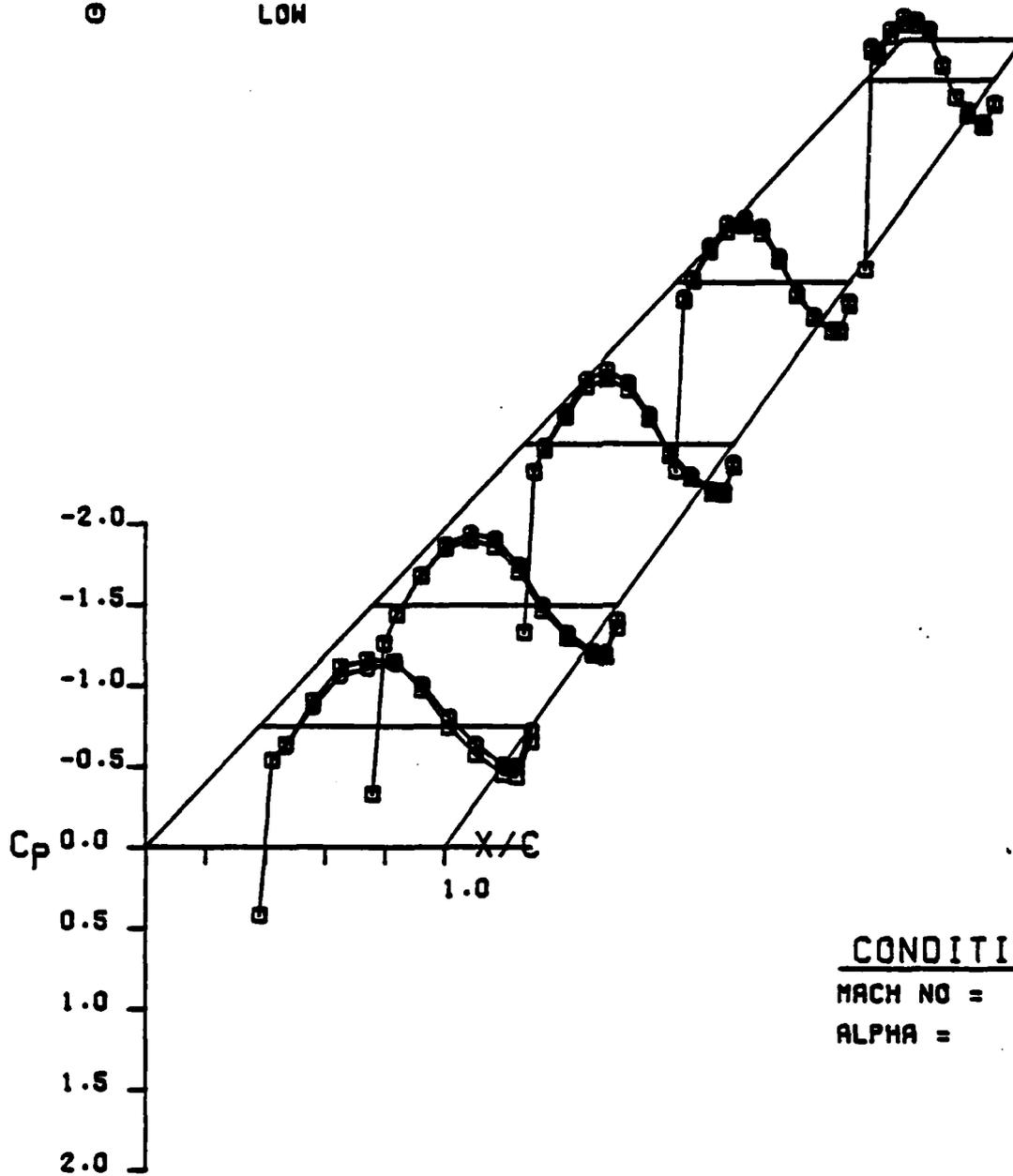
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ LOW

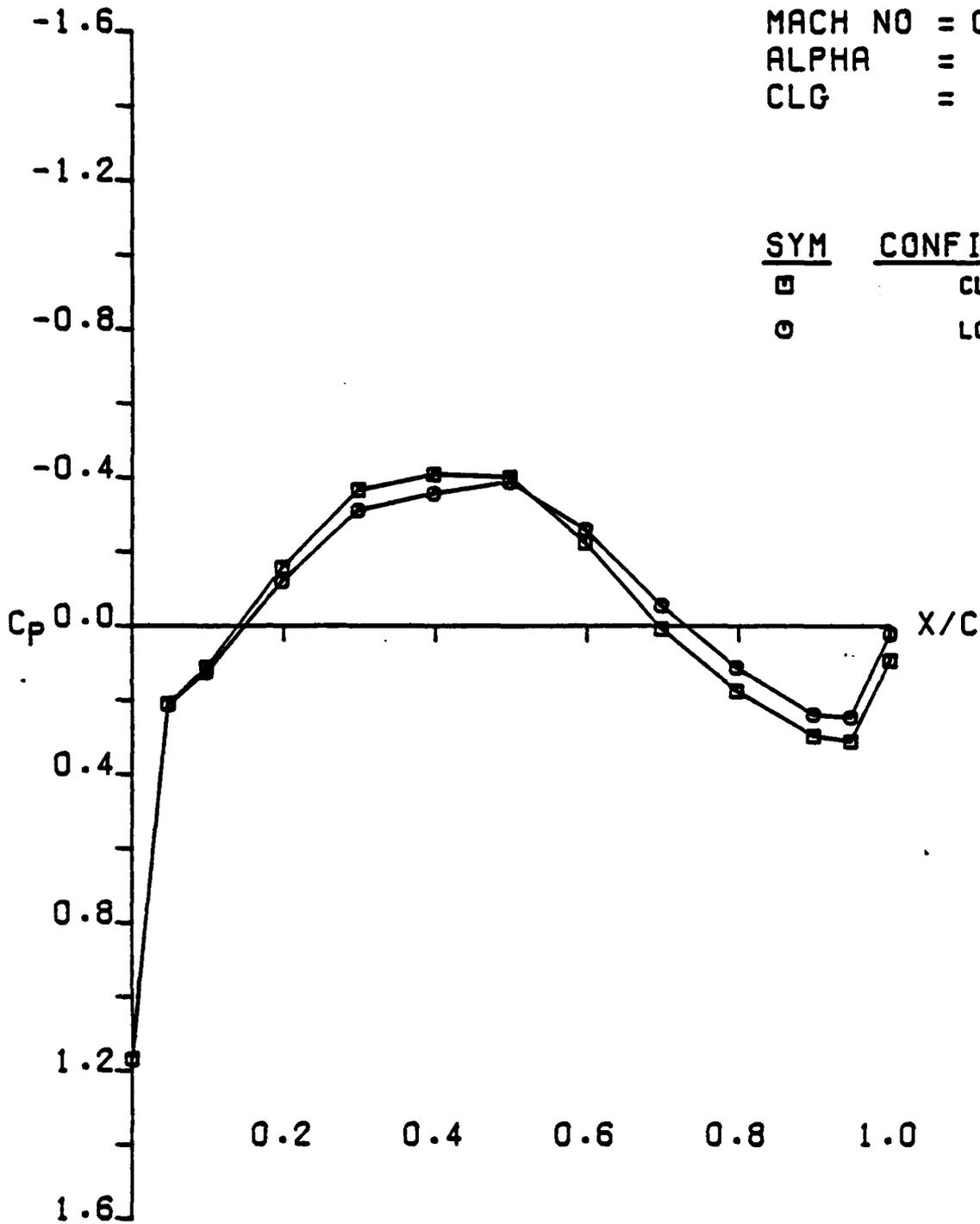


CONDITIONS
 MACH NO = 0.796
 ALPHA = 1.941

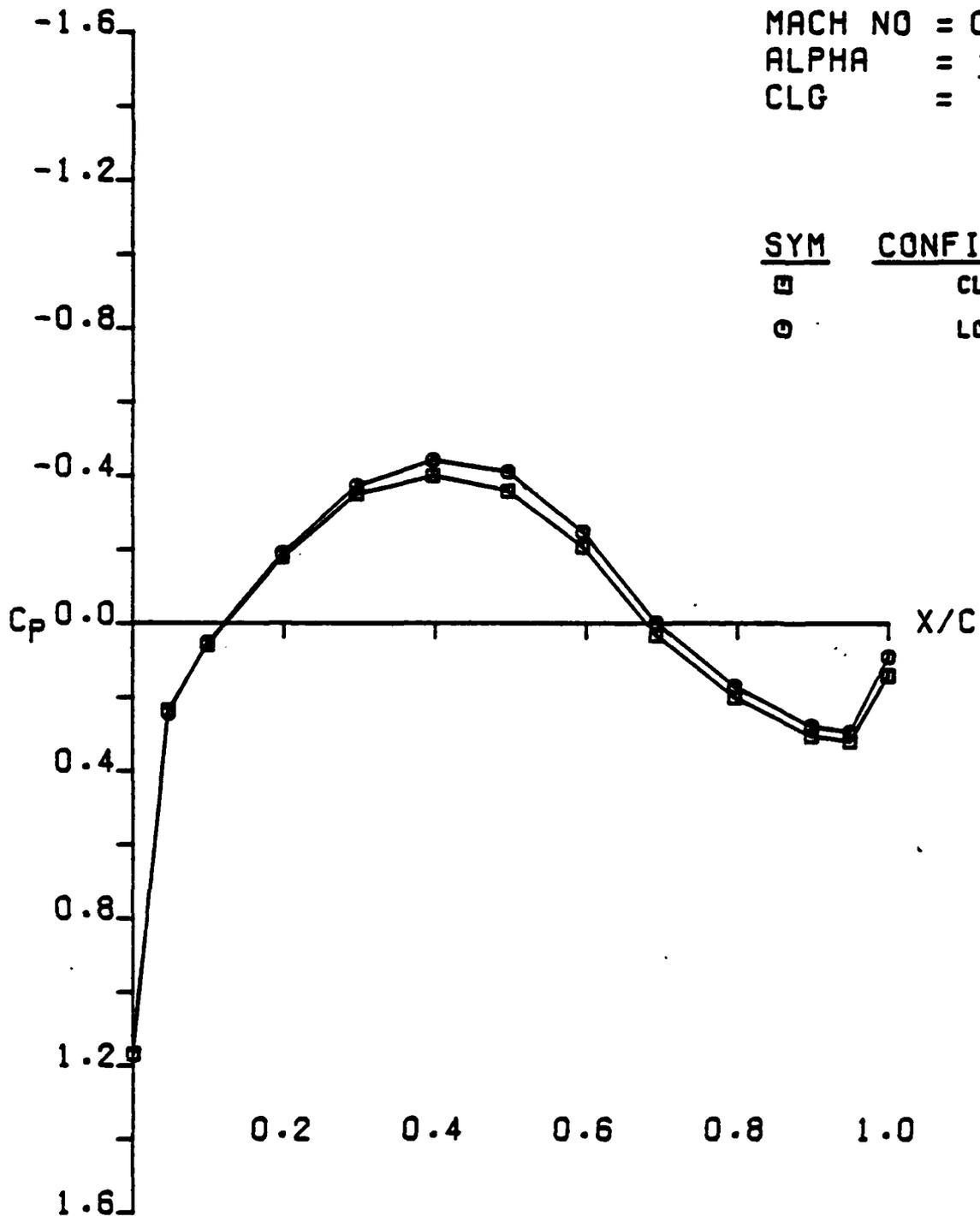
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.796
ALPHA = 1.941
CLG = 0.406

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (LWR SURF ETA .15)
AFOSR SEMISPAN MODEL A



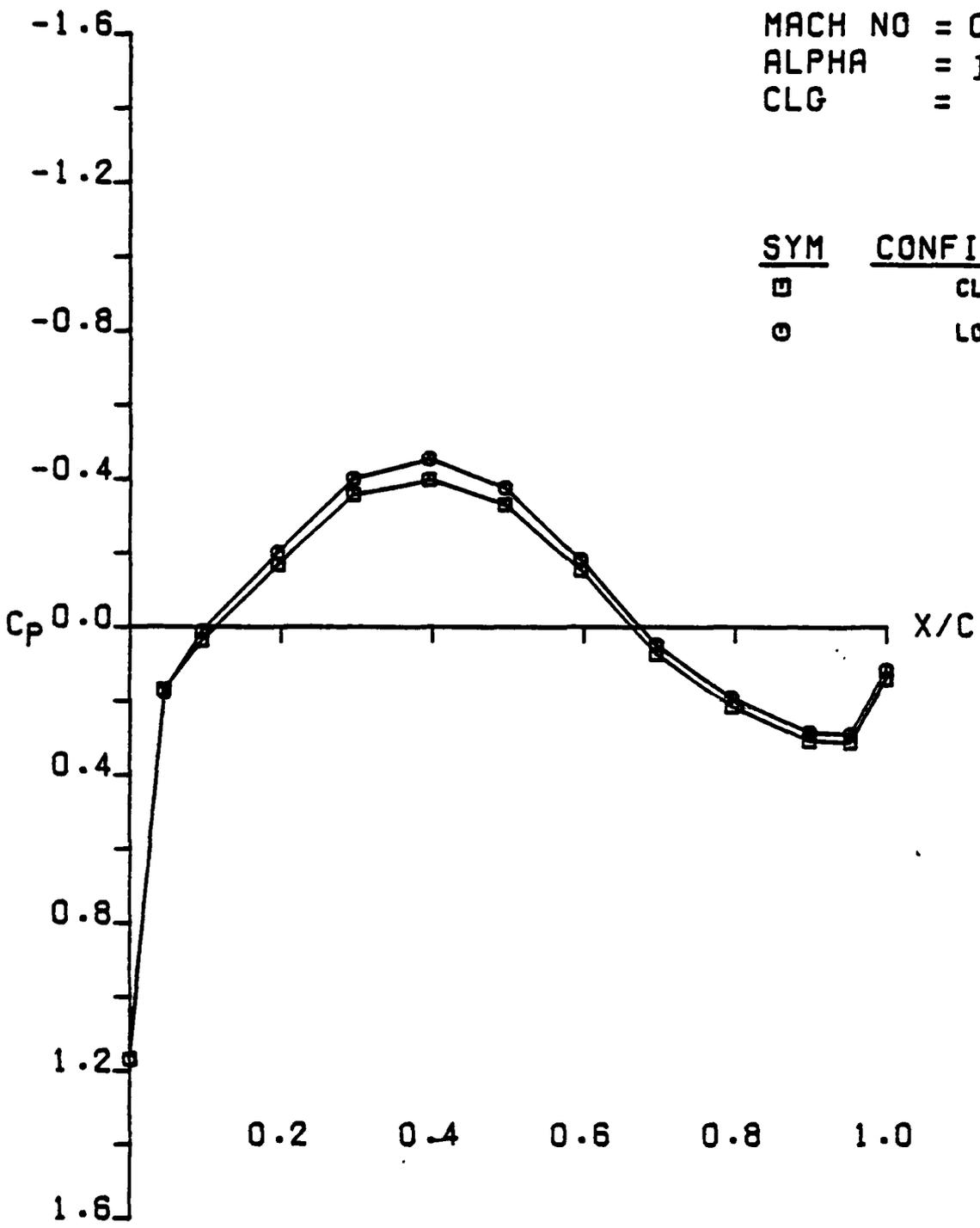
MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

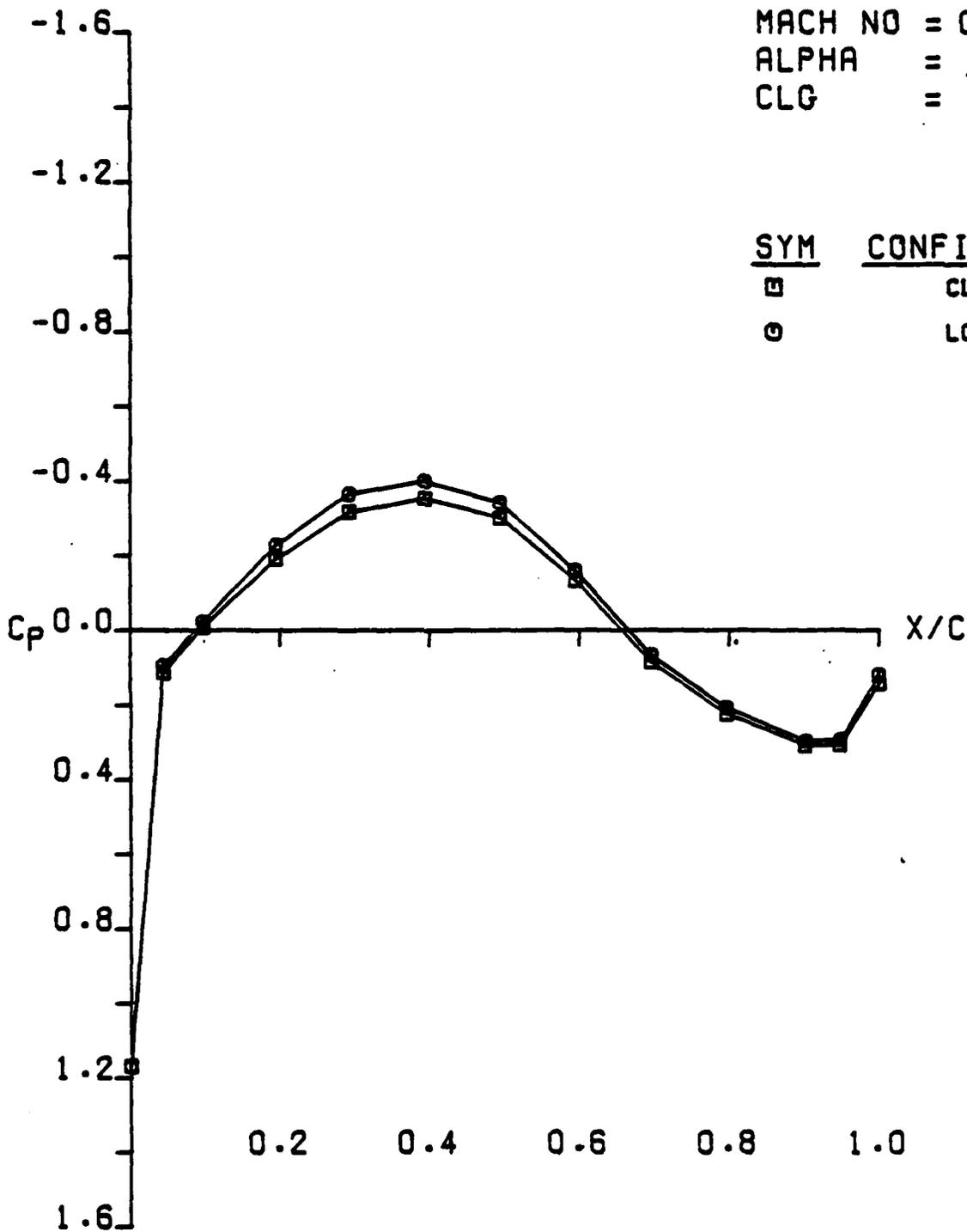
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.796
 ALPHA = 1.941
 CLG = 0.406

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



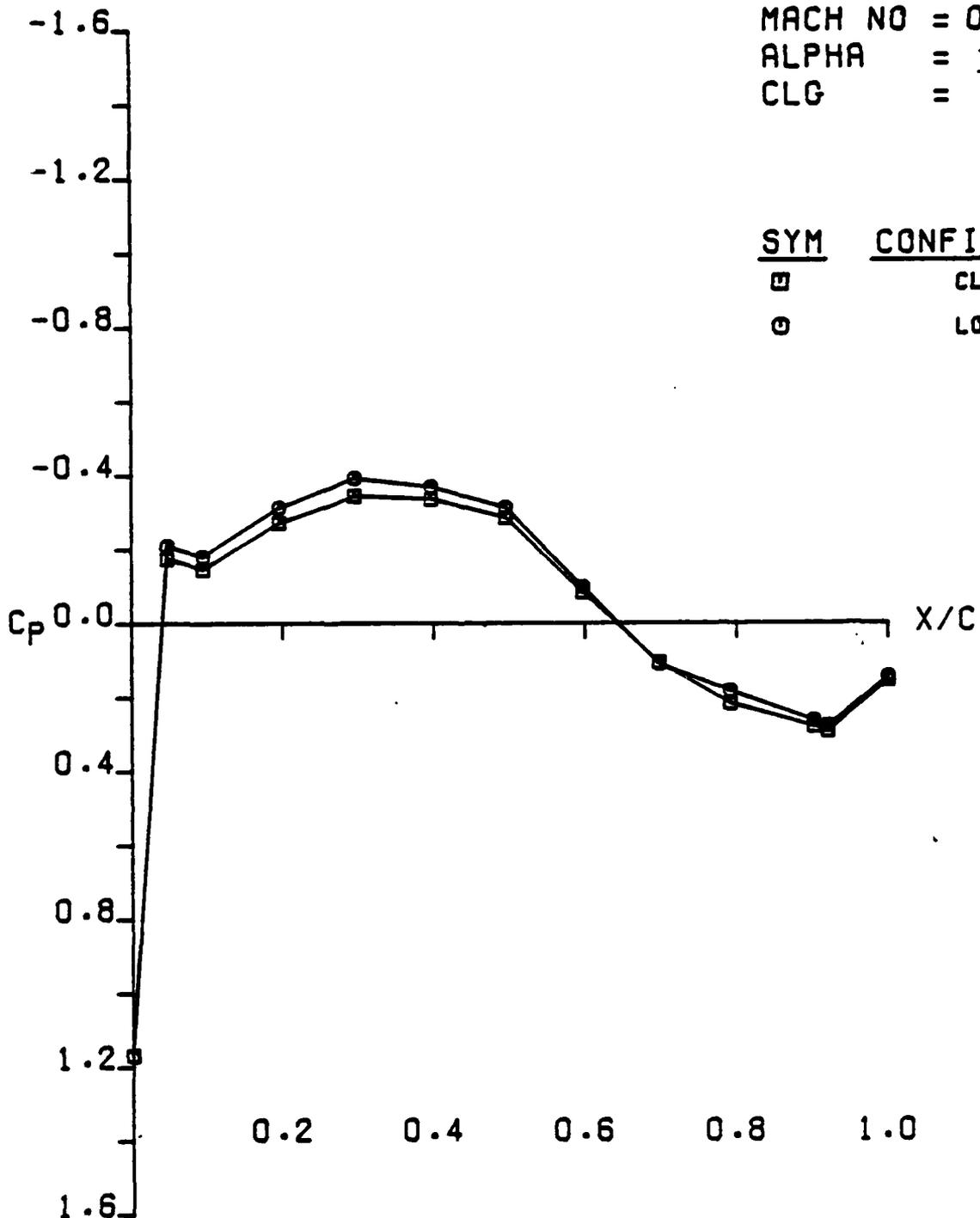
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.796
ALPHA = 1.941
CLG = 0.406

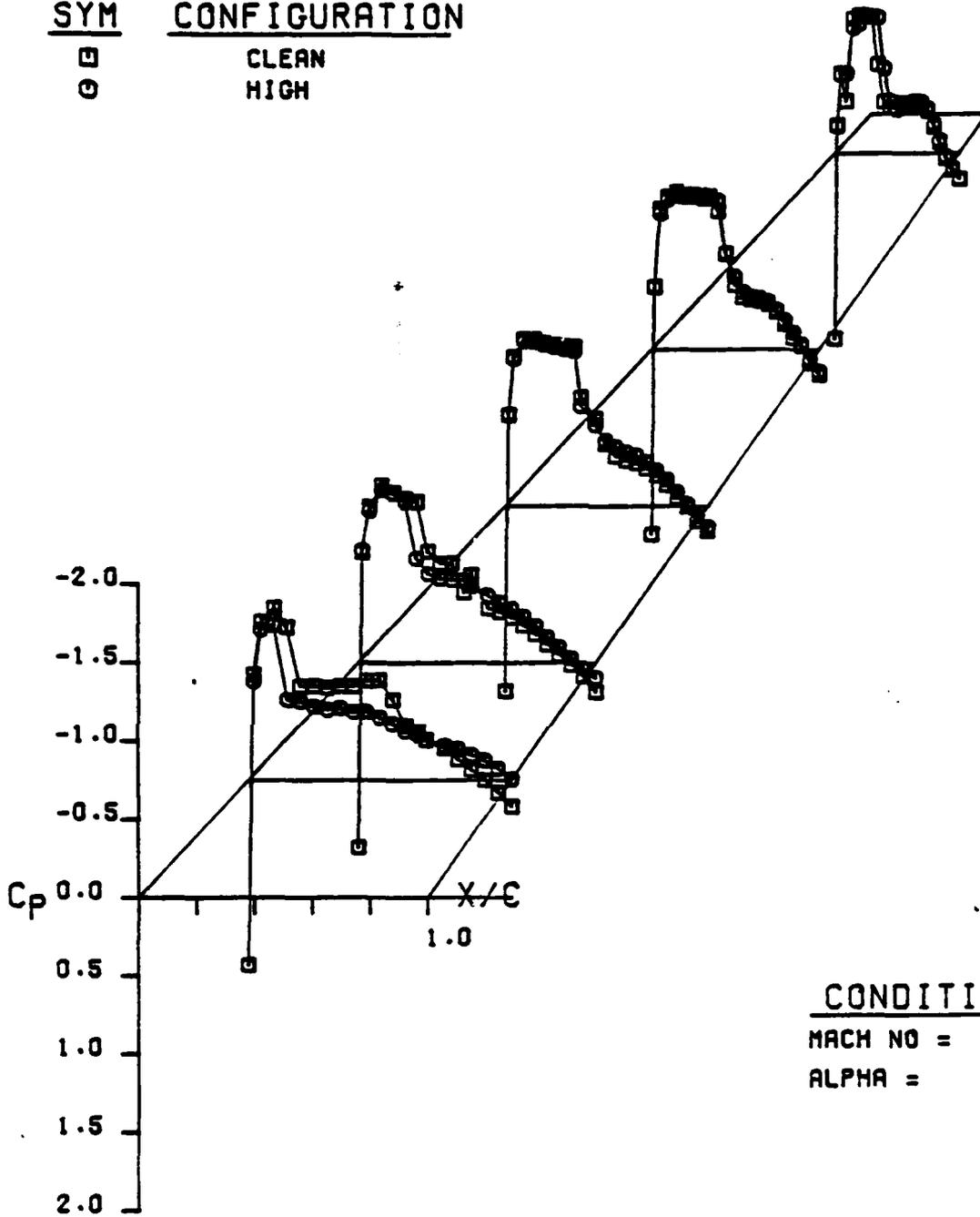
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



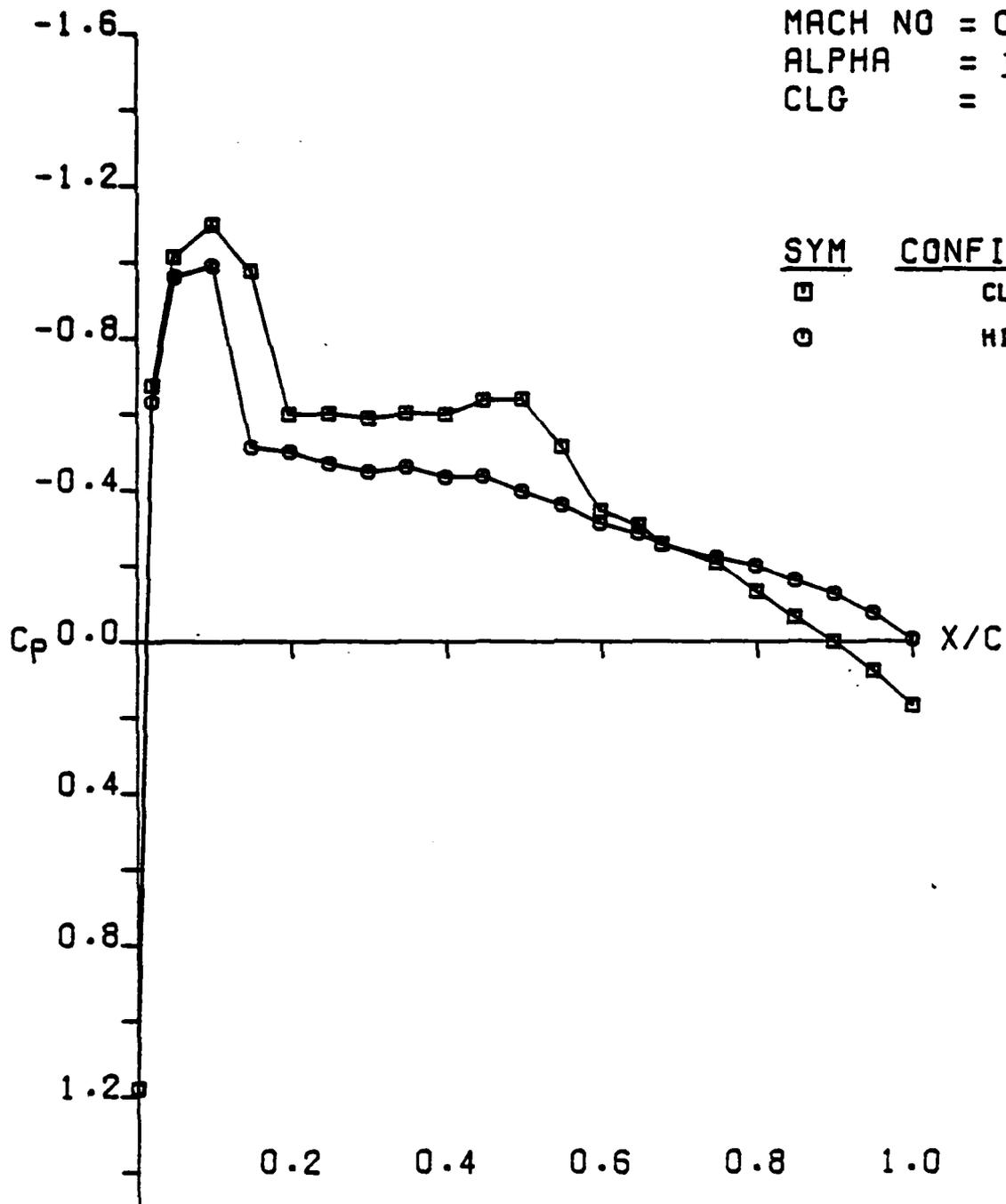
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (LWR SURF ETA .95)
AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL A

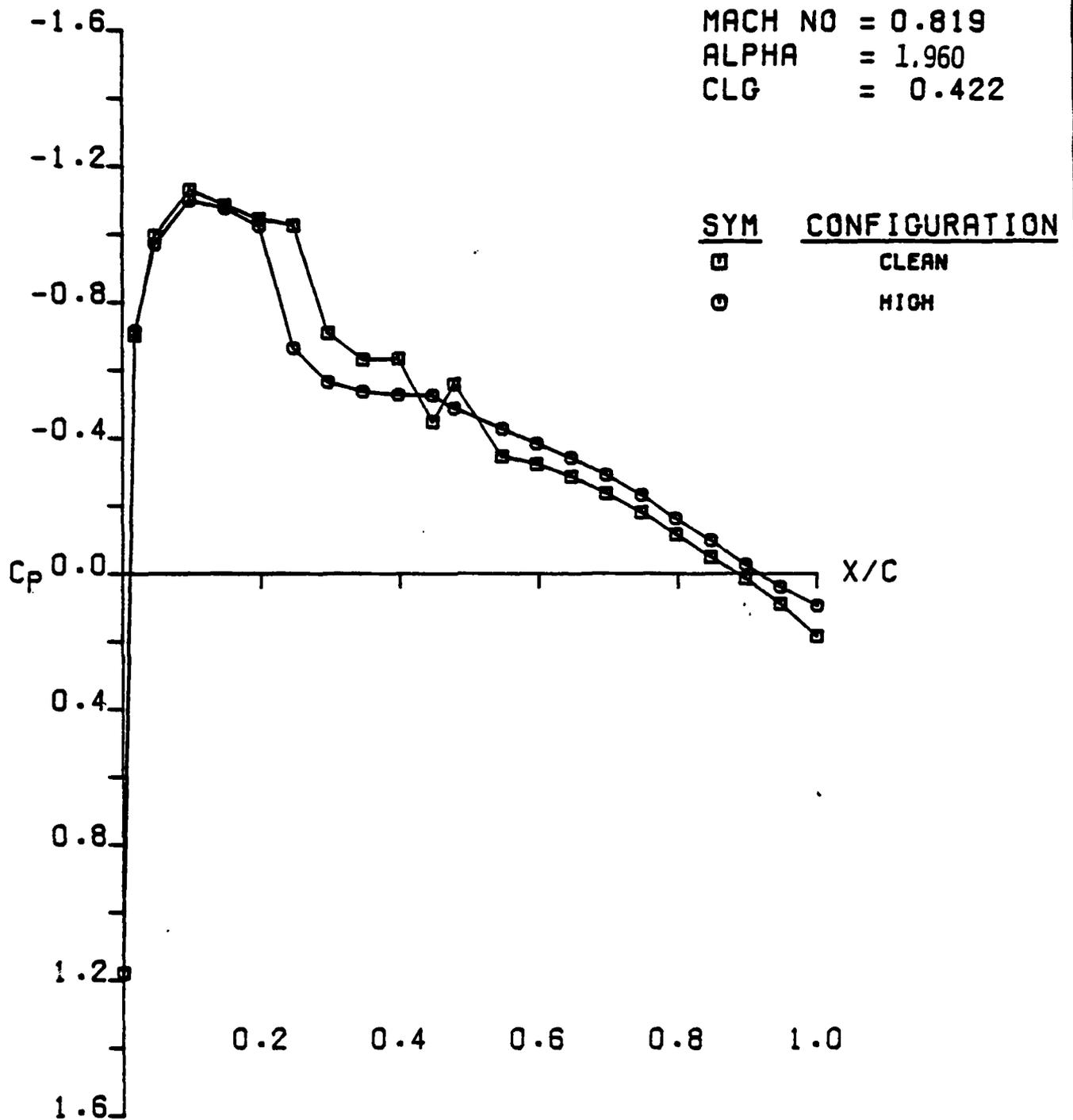


MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422

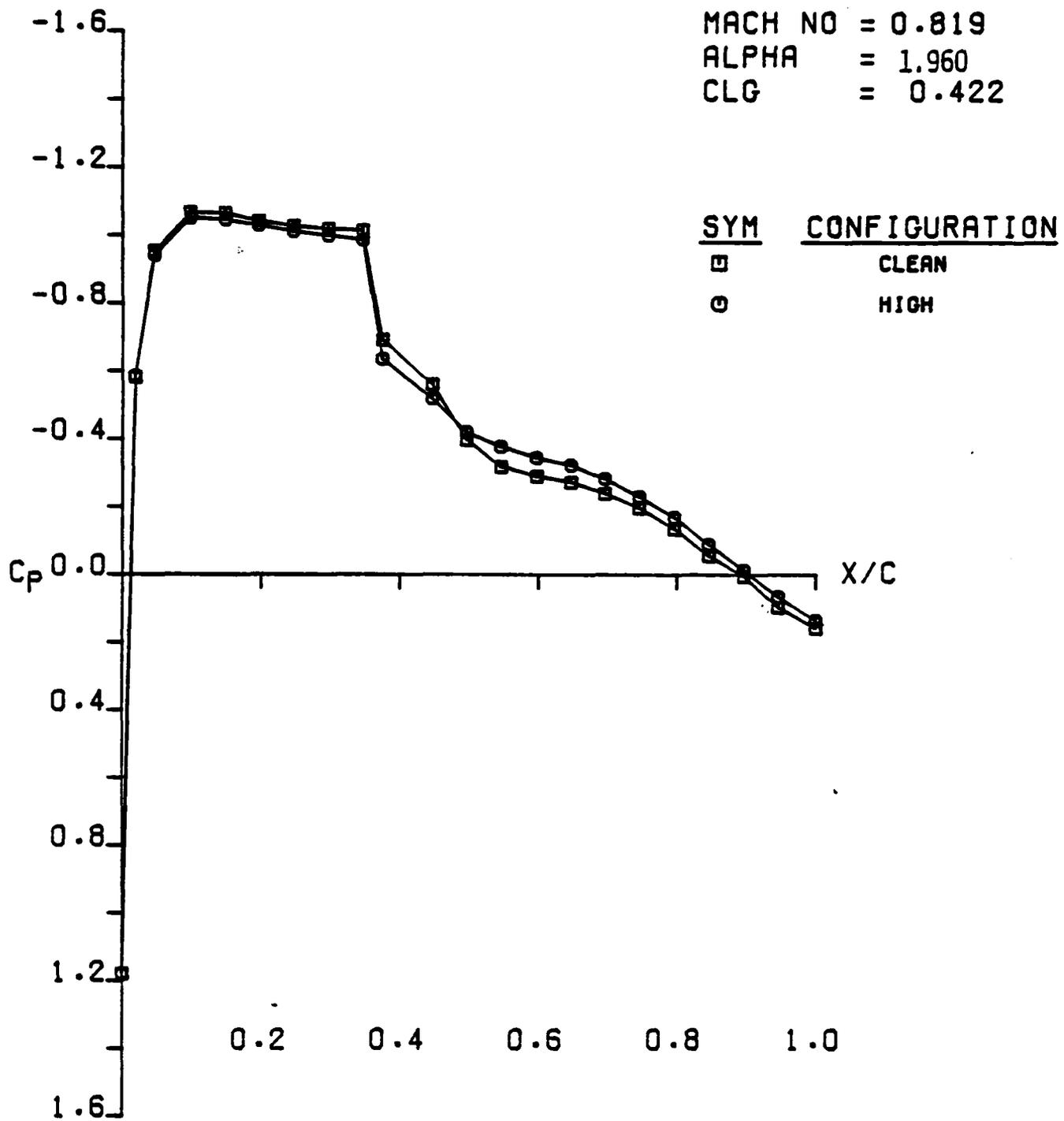
SYM	CONFIGURATION
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

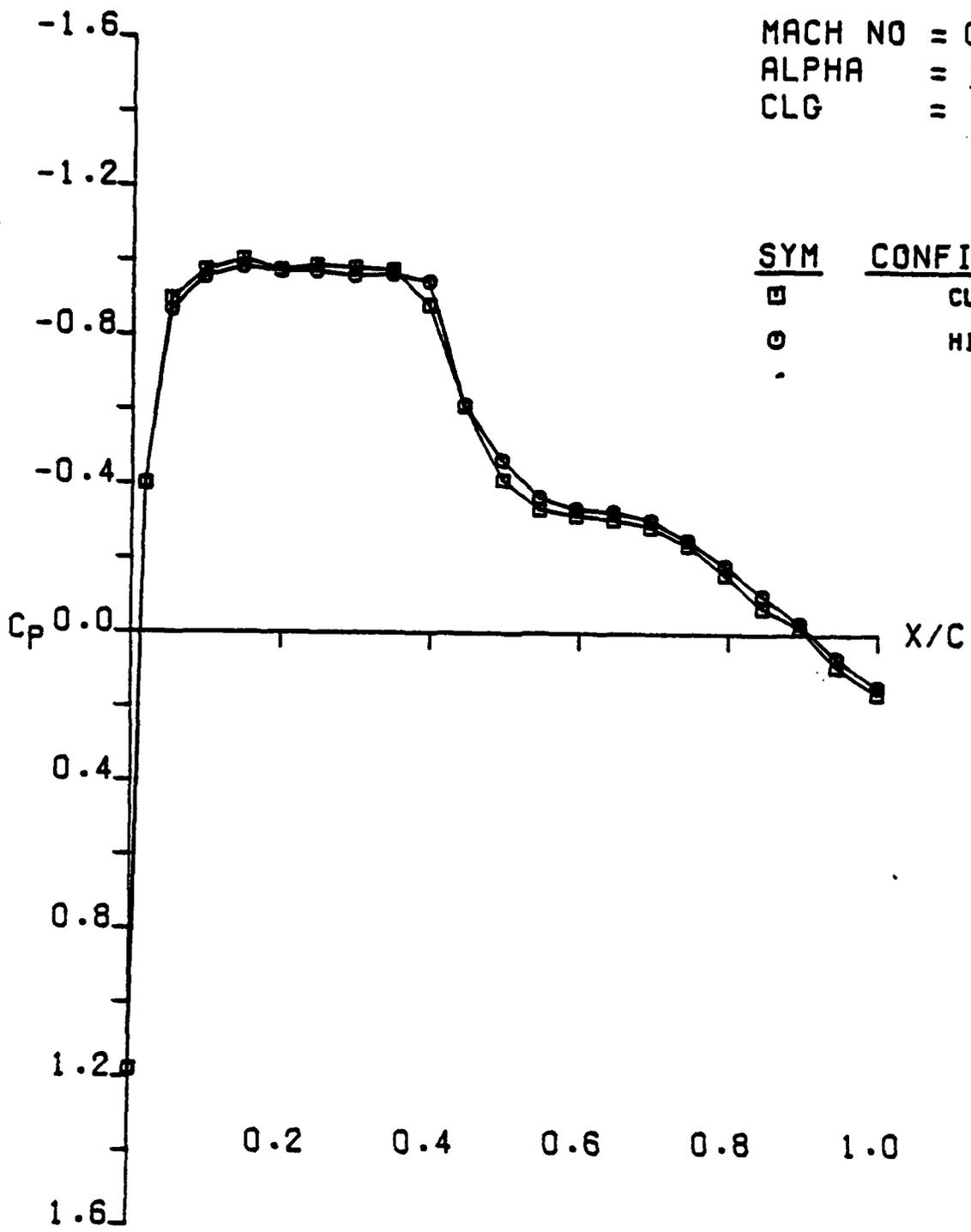
MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



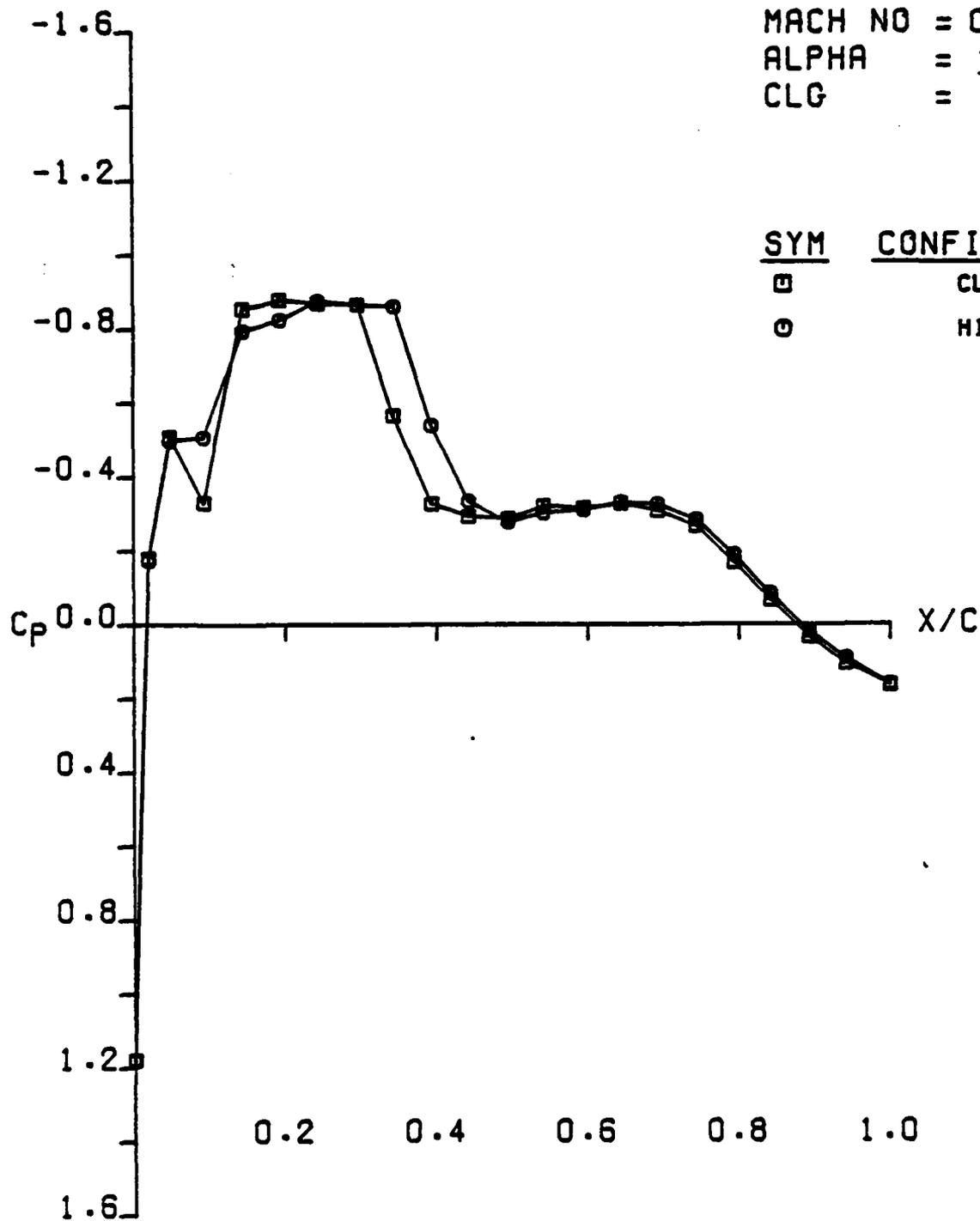
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

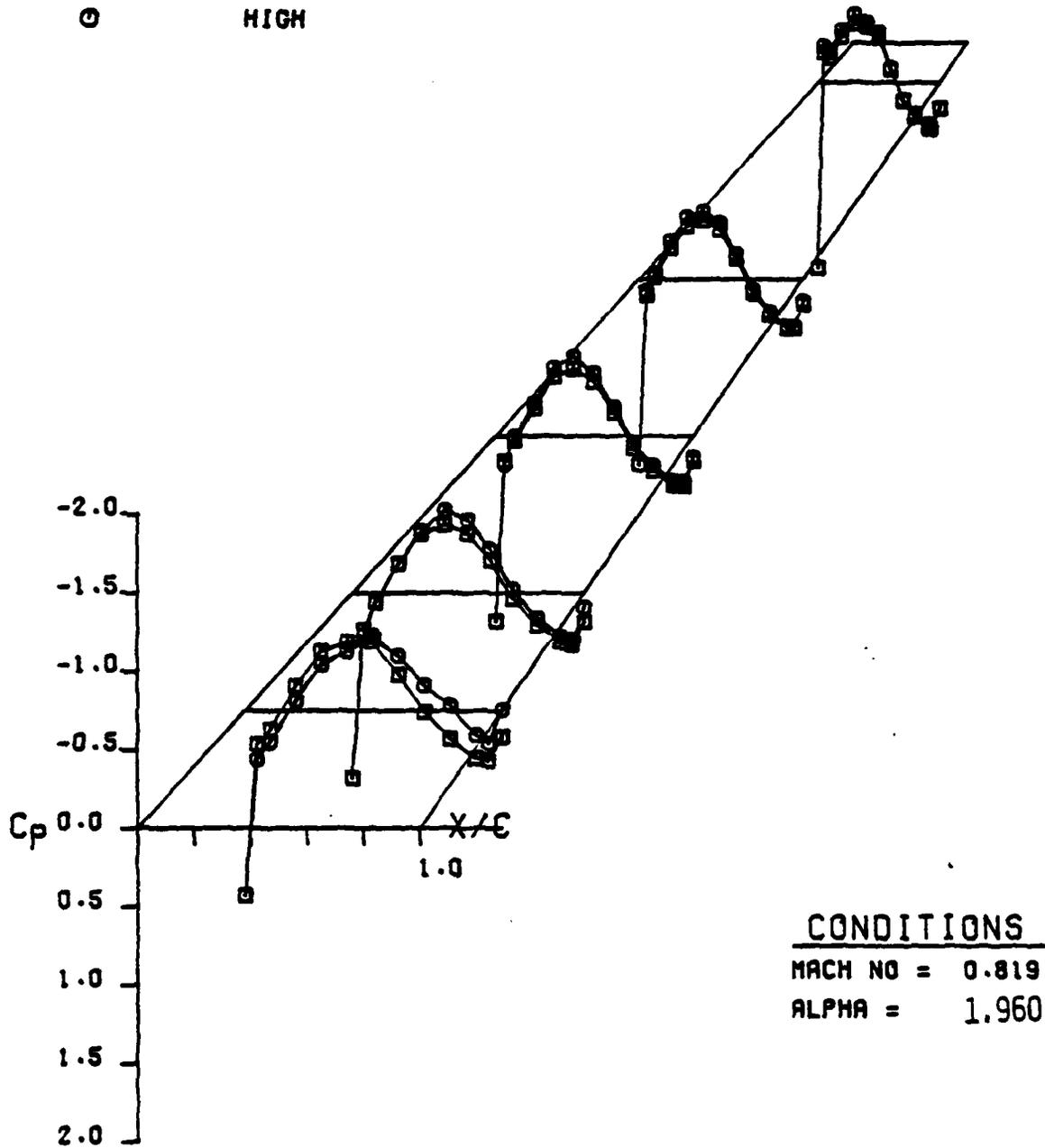
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



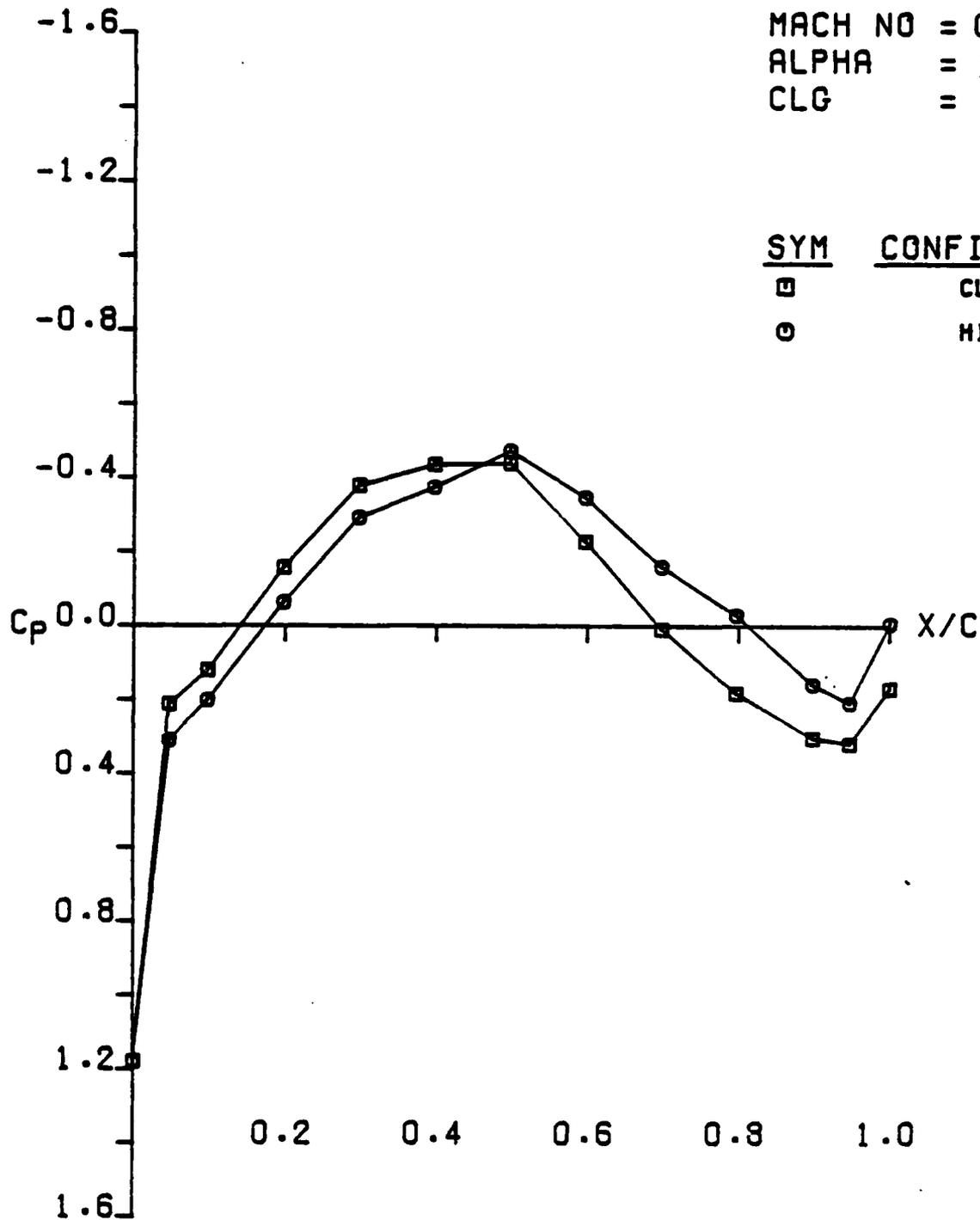
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ HIGH

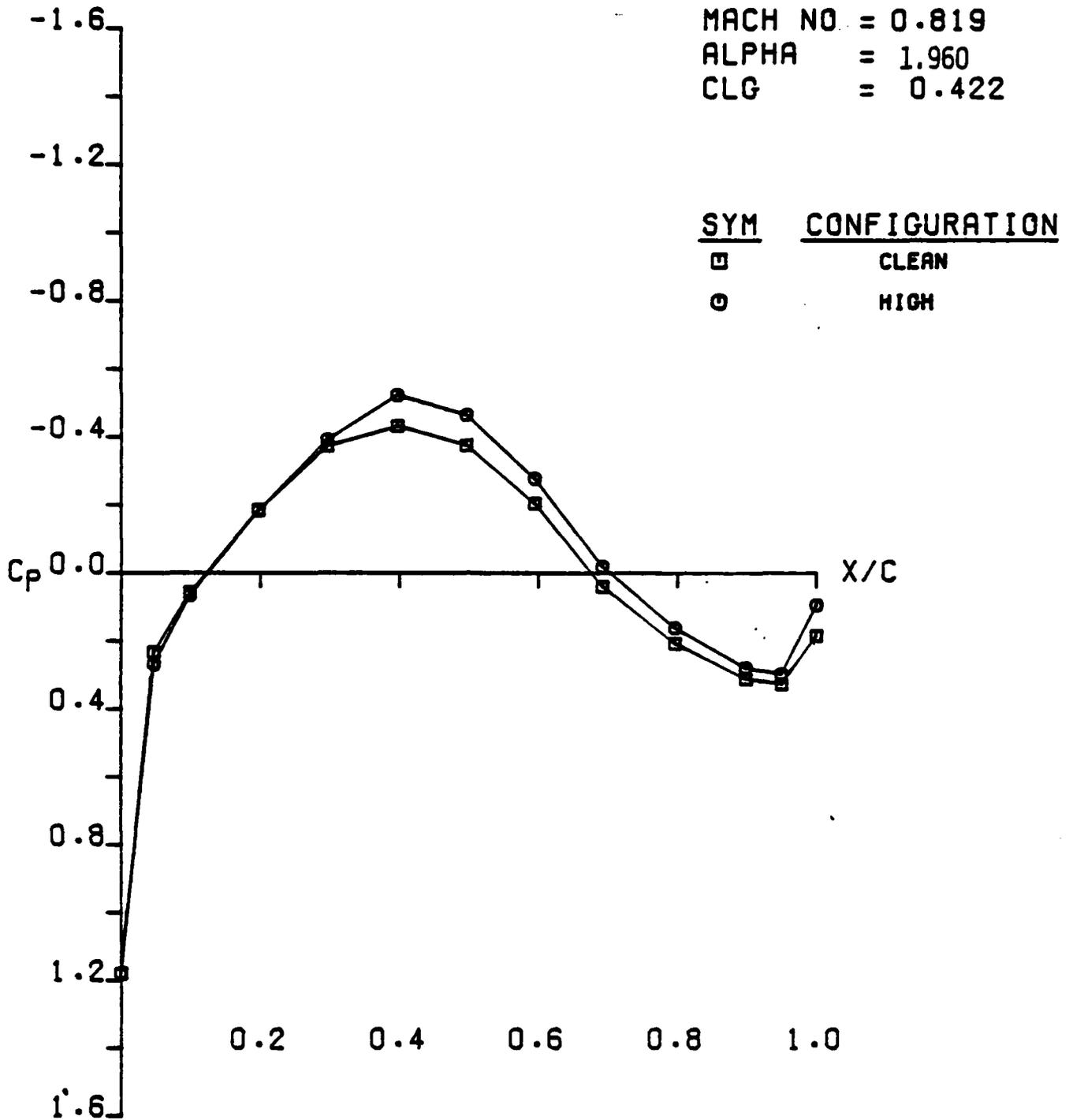


LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (LWR SURF)
 AFOSR SEMISPAN MODEL A

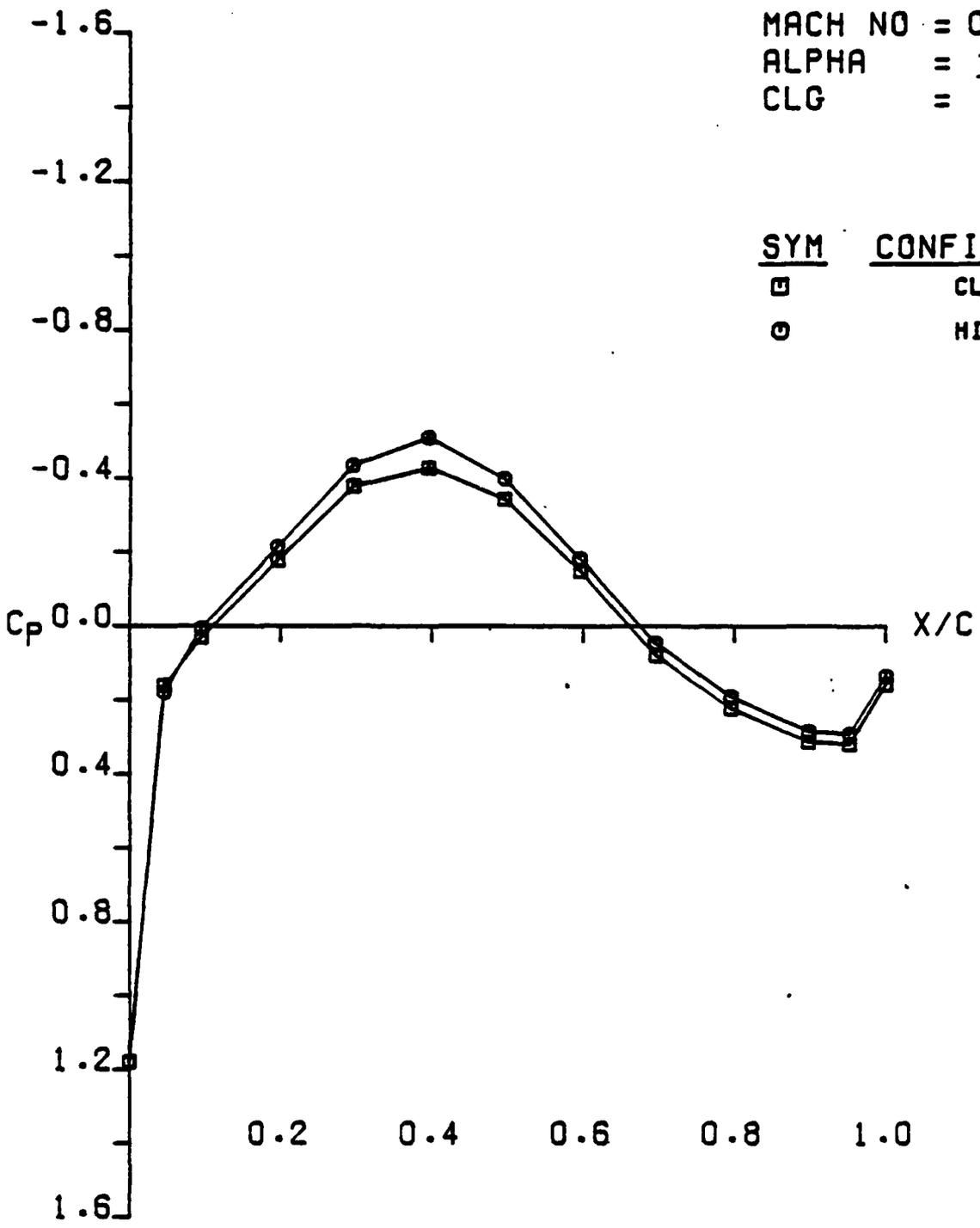


LOCKHEED CFWT SEMI-SPAN TEST. RUN 34
 CLN VS HIGH (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.819
ALPHA = 1.960
CLG = 0.422



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS HIGH (LWR SURF ETA .30)
AFOSR SEMISPAN MODEL A



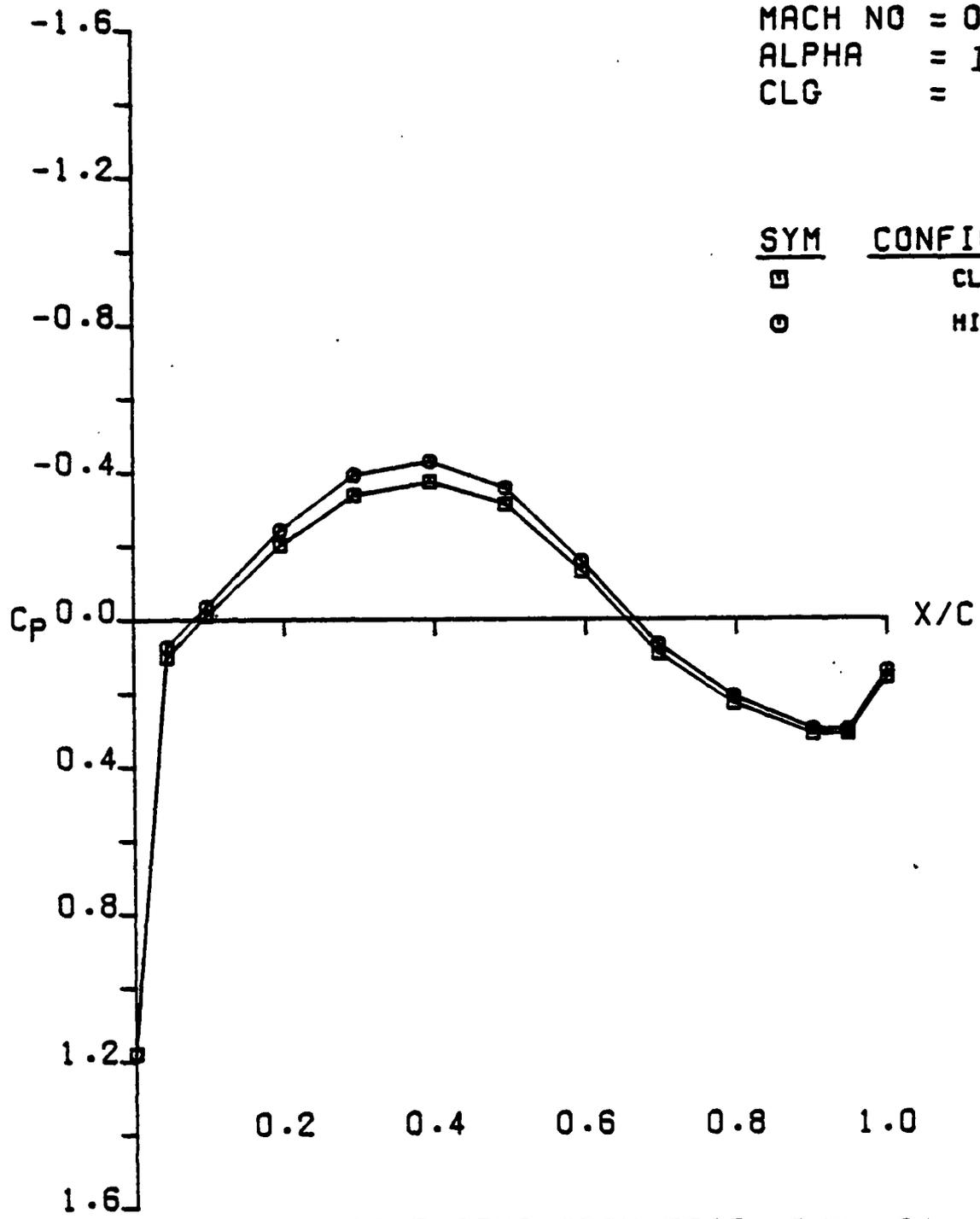
MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422

SYM CONFIGURATION
 □ CLEAN
 ○ HIGH

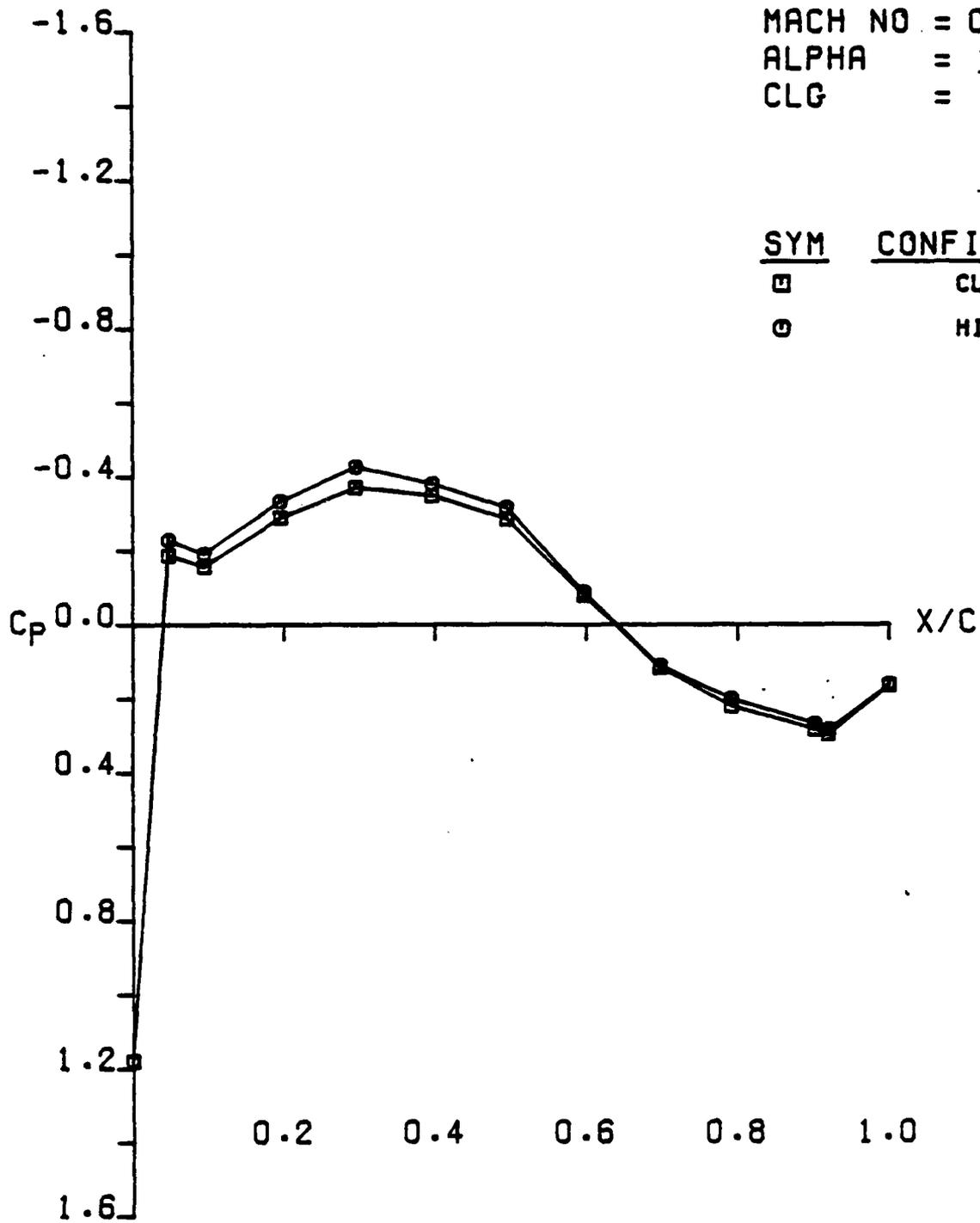
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



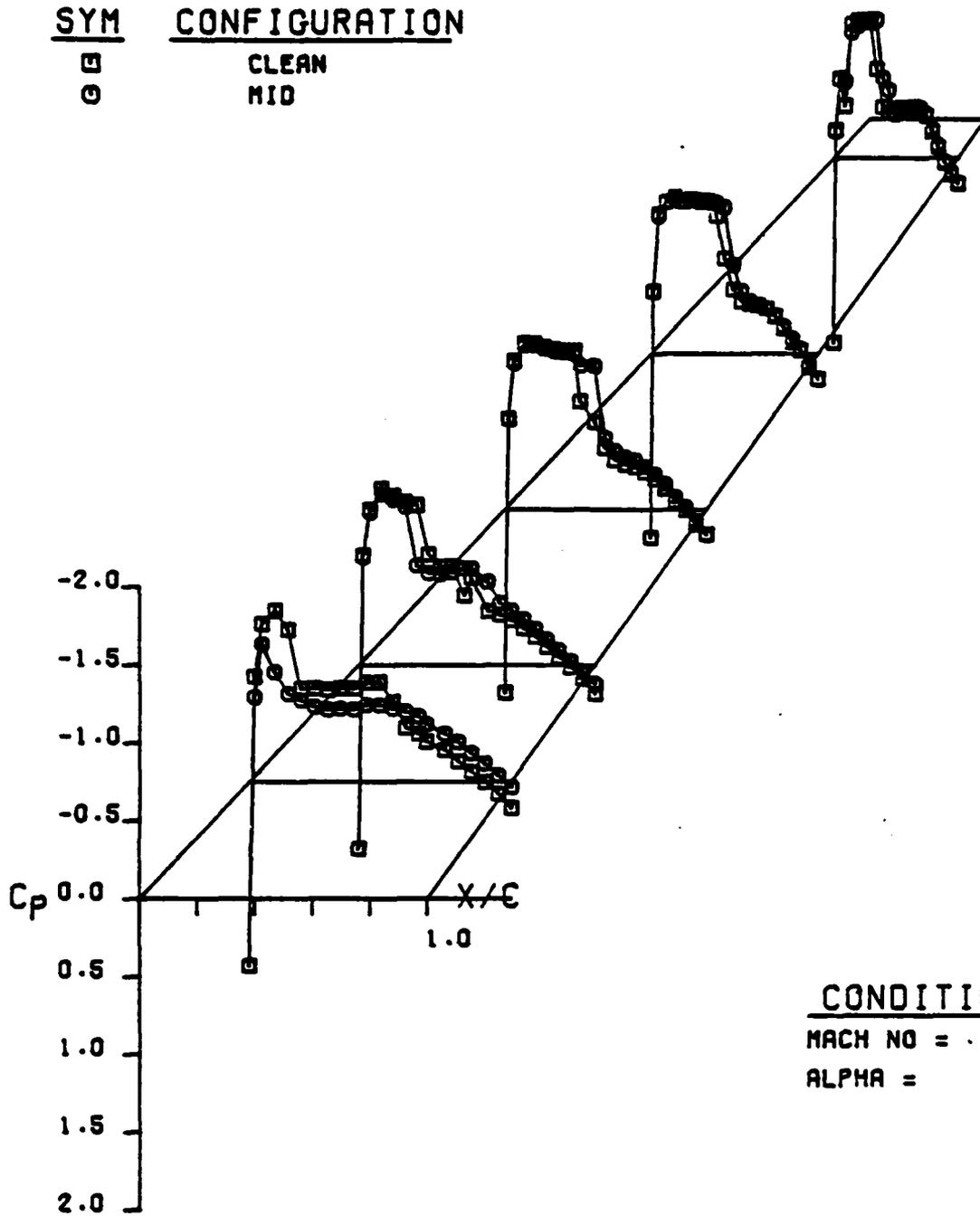
MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS HIGH (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ MID



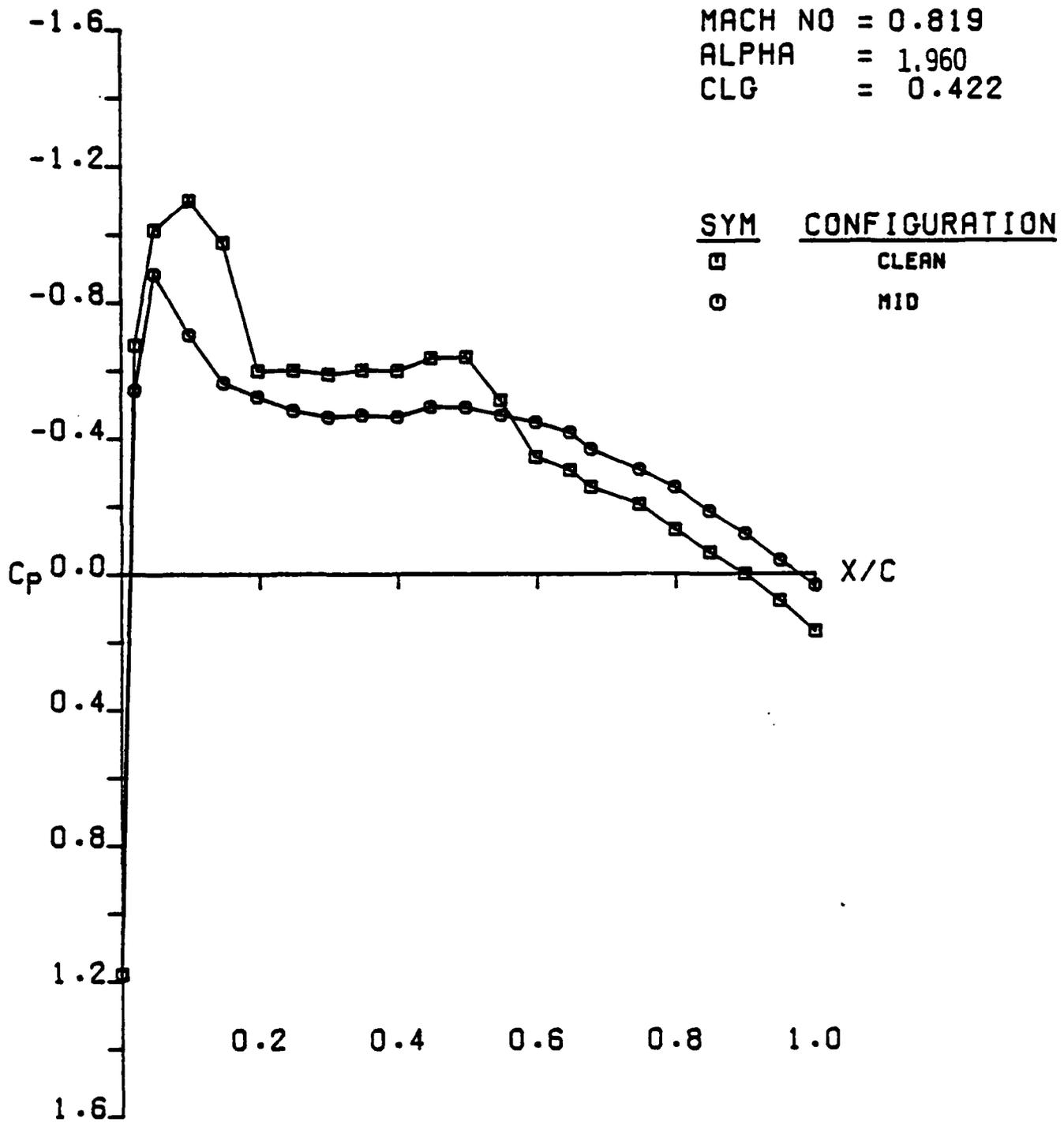
CONDITIONS

MACH NO = 0.819

ALPHA = 1.960

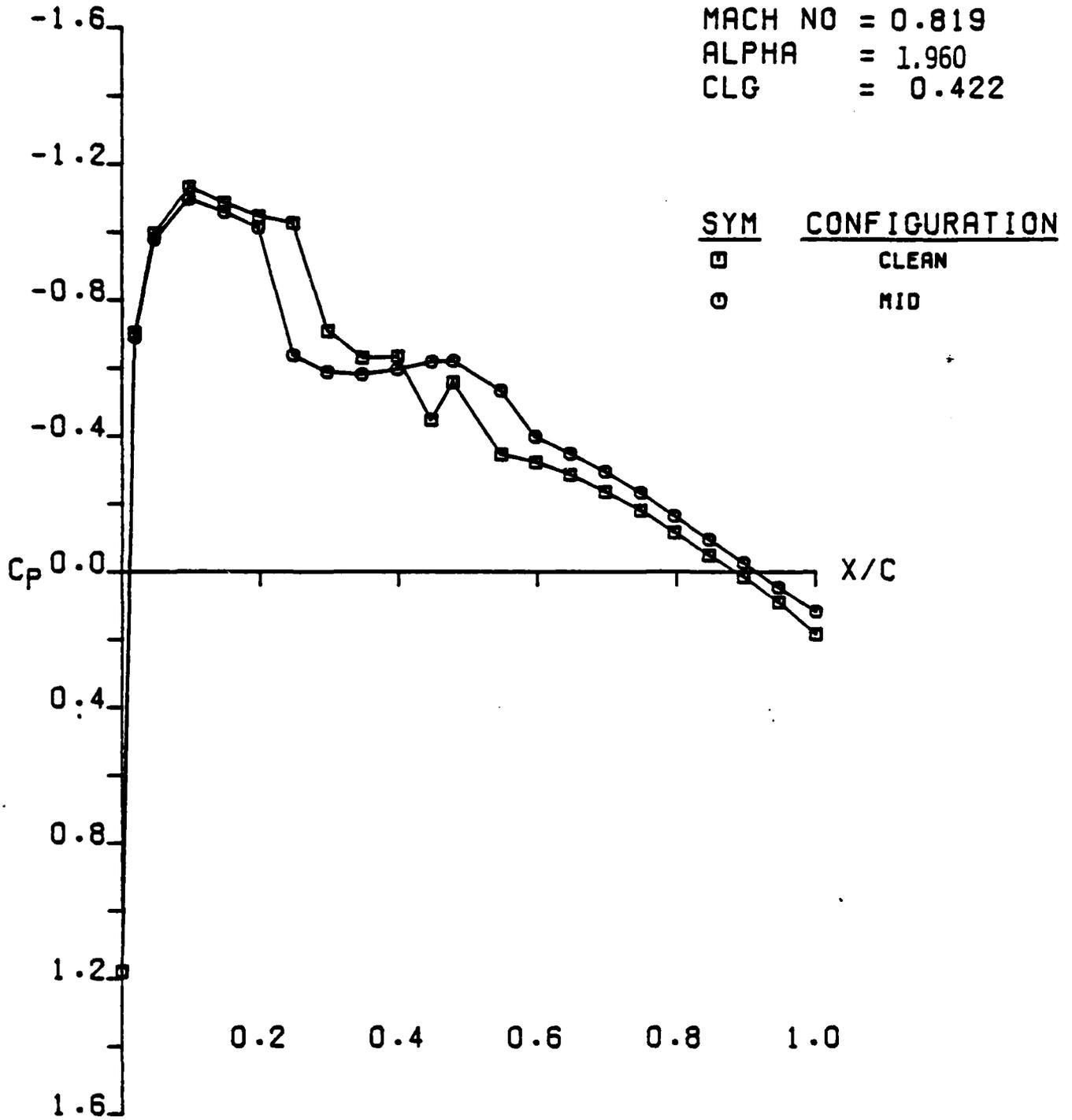
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422



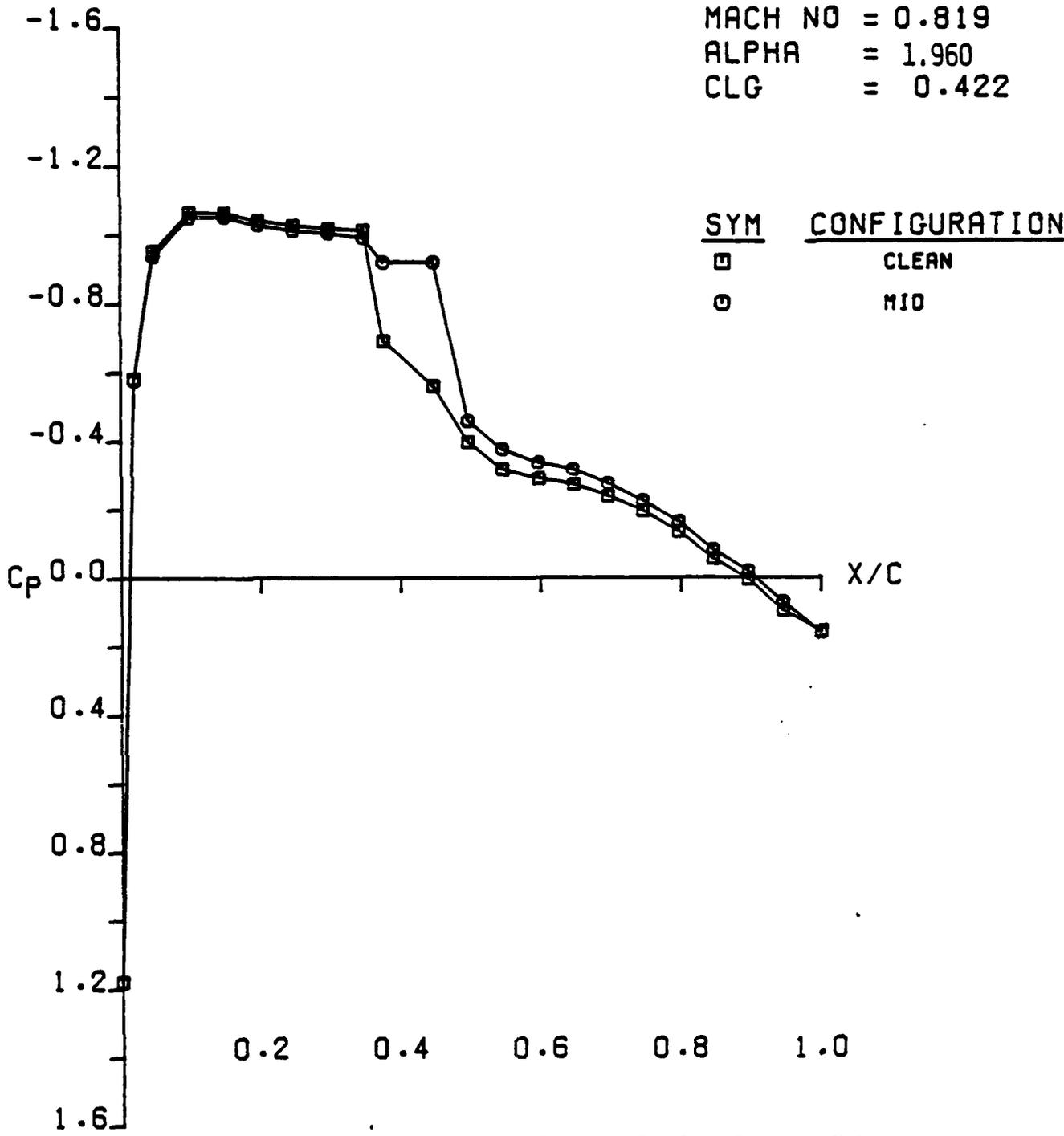
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS MID (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422



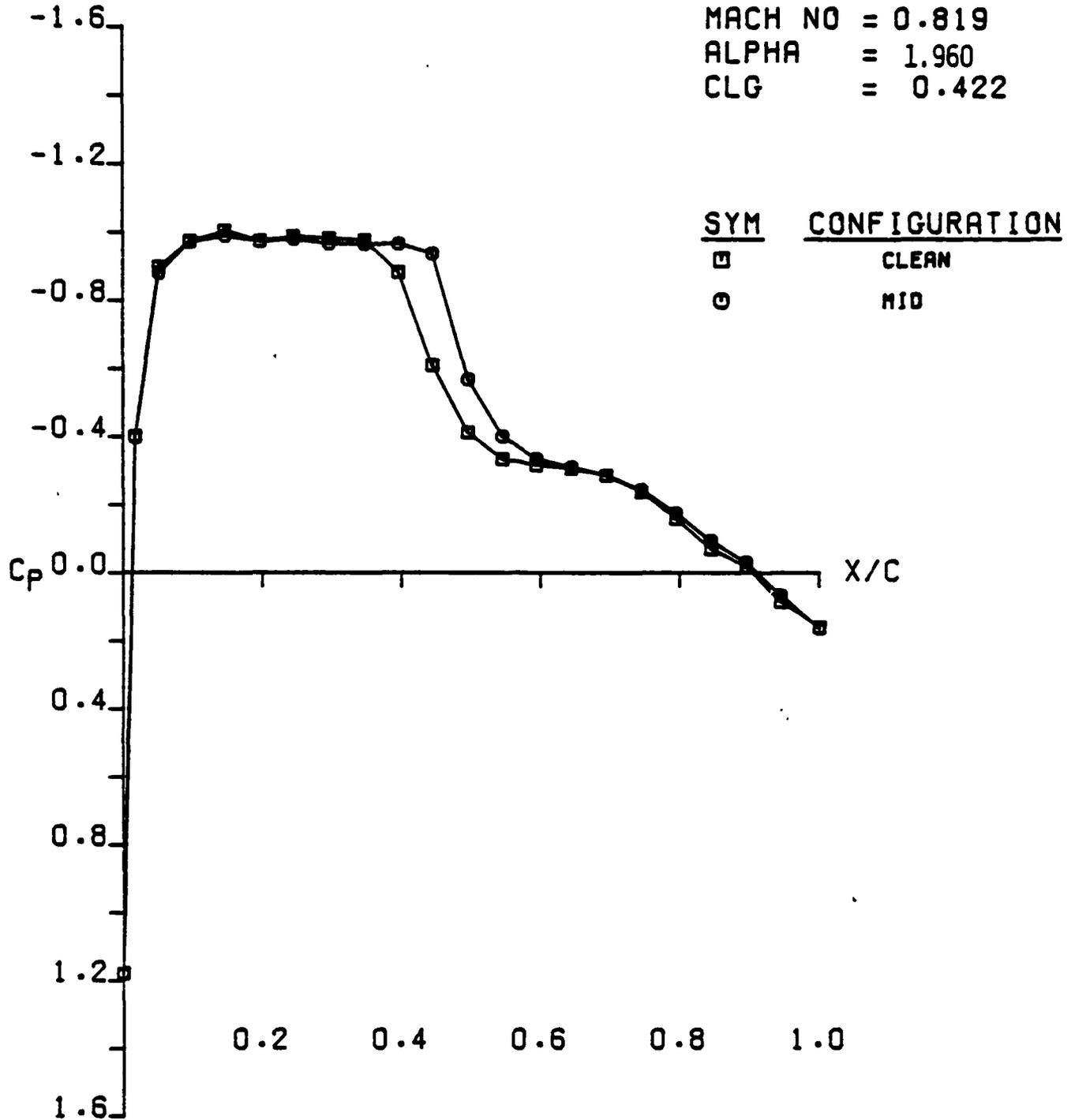
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS MID (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.819
ALPHA = 1.960
CLG = 0.422



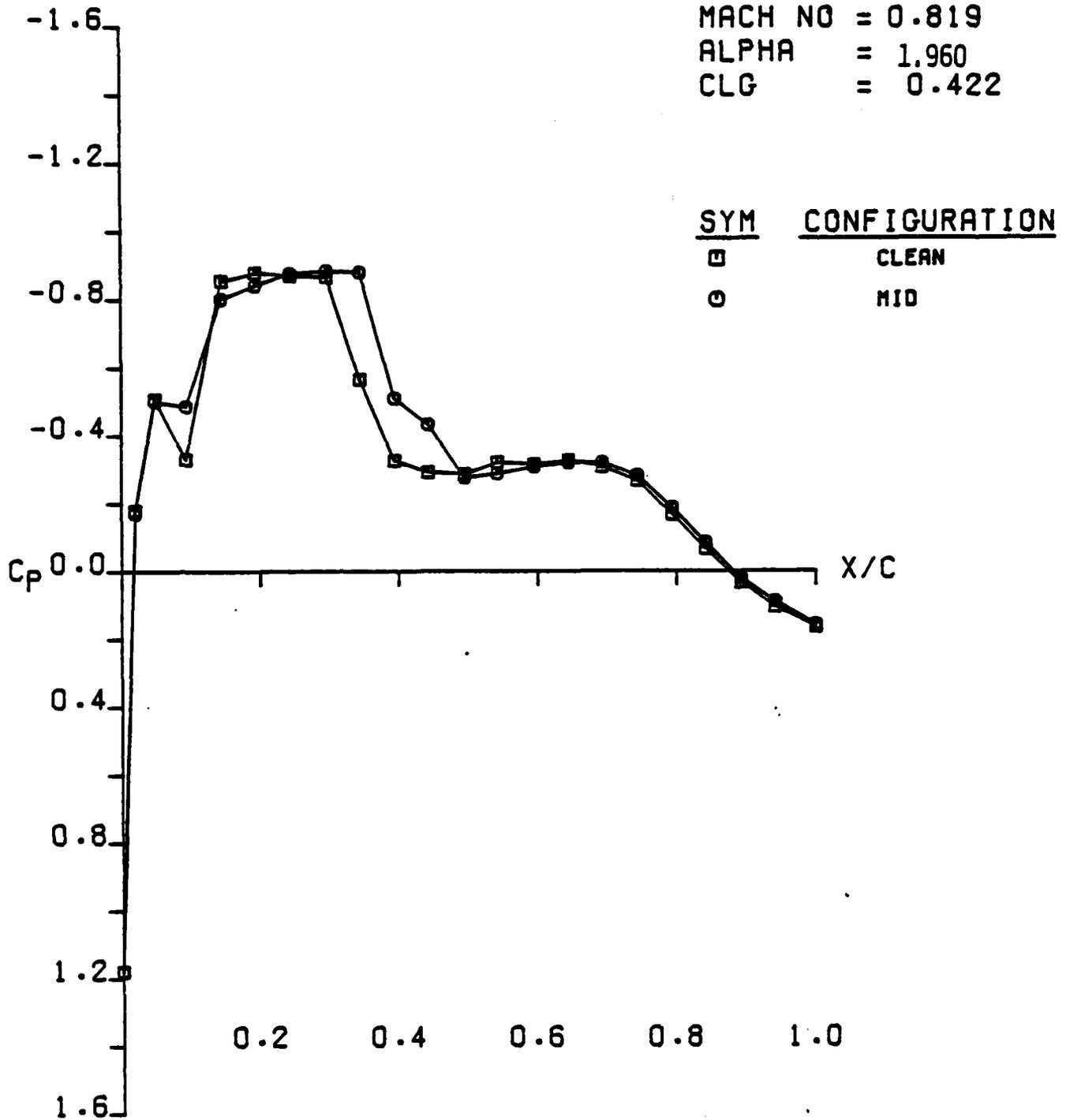
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS MID (UPR SURF ETA .50)
AFOSR SEMISPAN MODEL A

MACH NO = 0.819
ALPHA = 1.960
CLG = 0.422



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS MID (UPR SURF ETA .70)
AFOSR SEMISPAN MODEL A

MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422

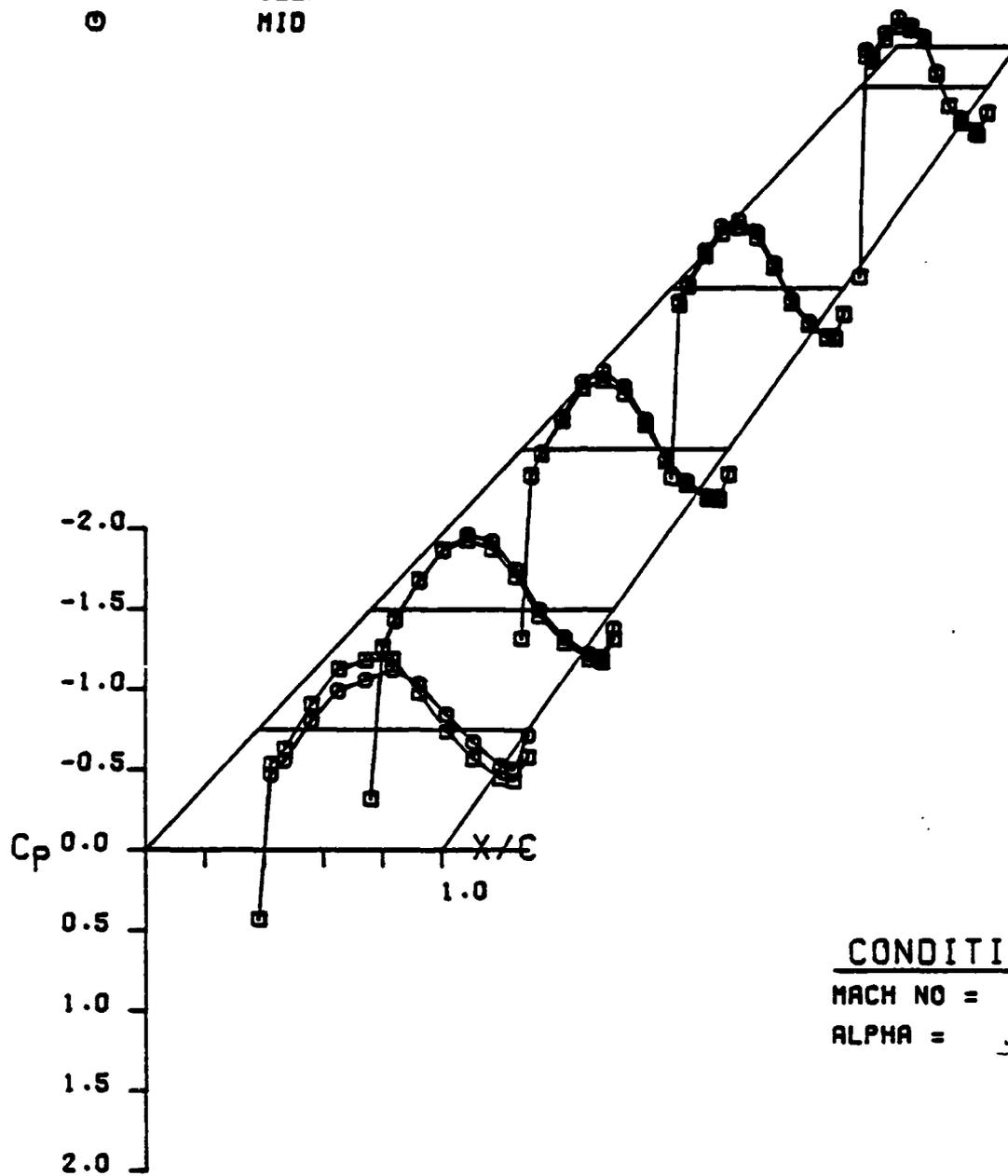


LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SIM CONFIGURATION

□
○

CLEAN
MID



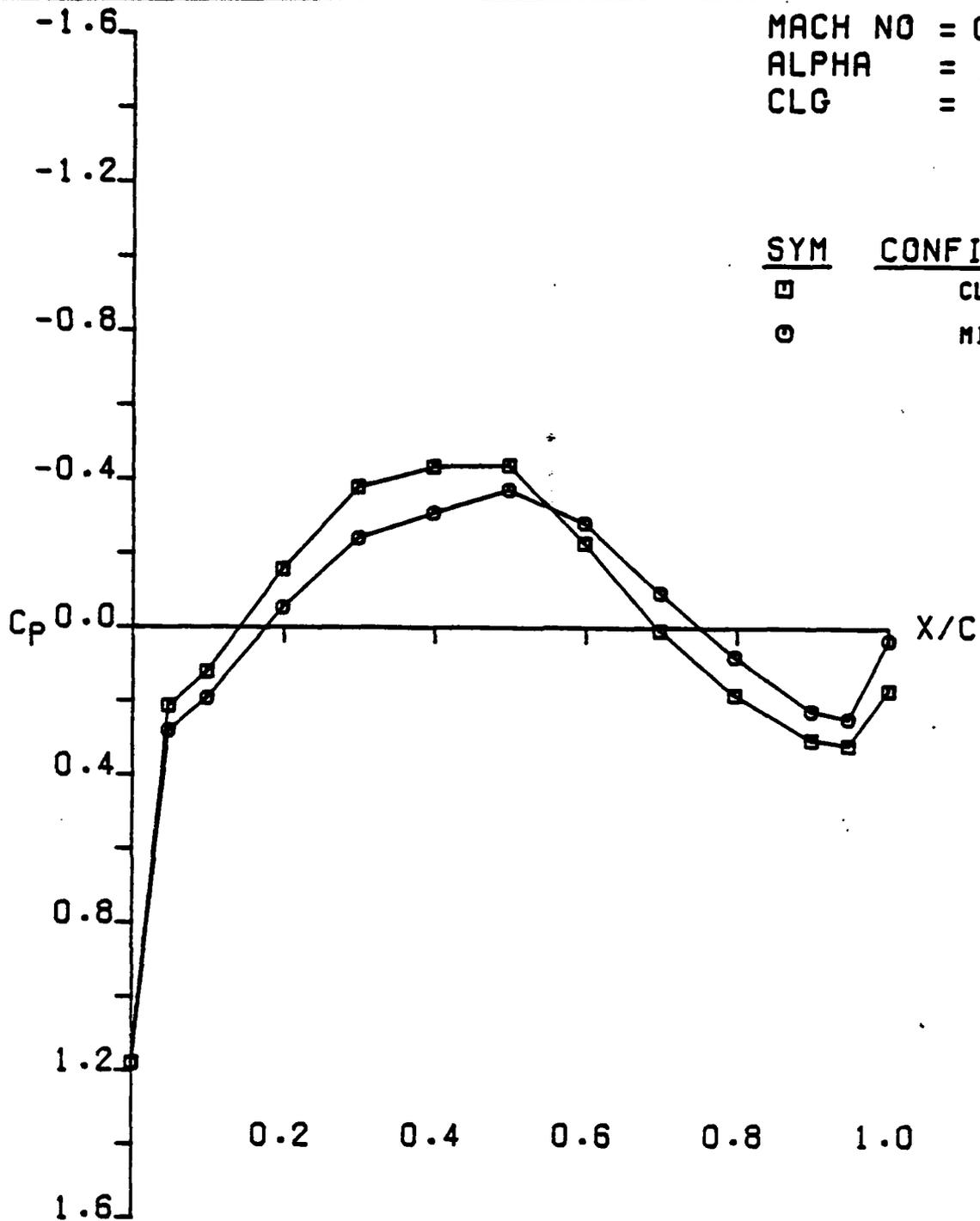
CONDITIONS

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ALPHA = .1960

LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS MID (LWR SURF)
AFOSR SEMISPAN MODEL A

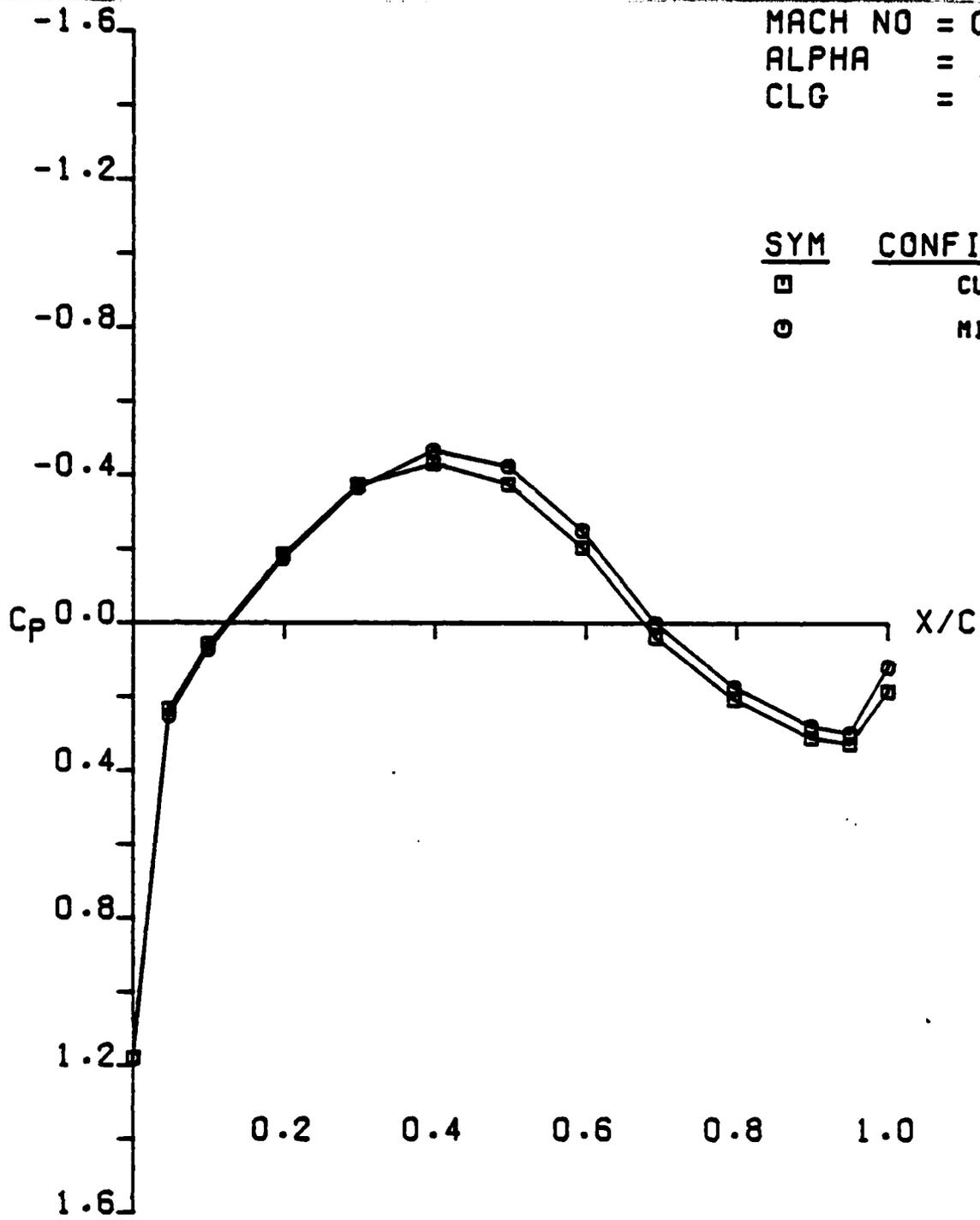
MACH NO = 0.819
ALPHA = 1.960
CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS MID (LWR SURF ETA .15)
AFOSR SEMISPAN MODEL A

MACH NO = 0.819
ALPHA = 1.960
CLG = 0.422

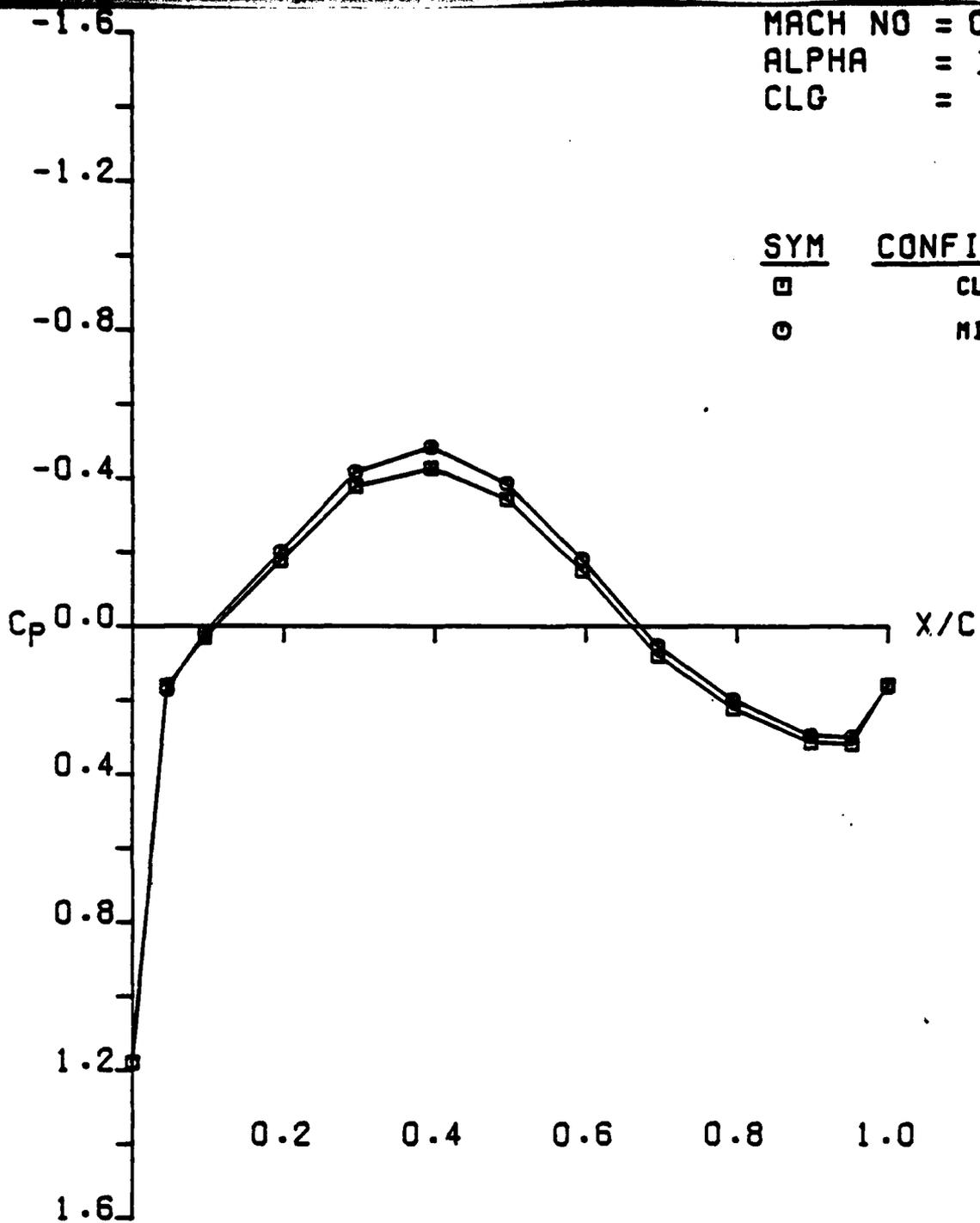


<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS MID (LWR SURF ETA .30)
AFOSR SEMISPAN MODEL A

MACH NO = 0.819
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CLG = 0.422

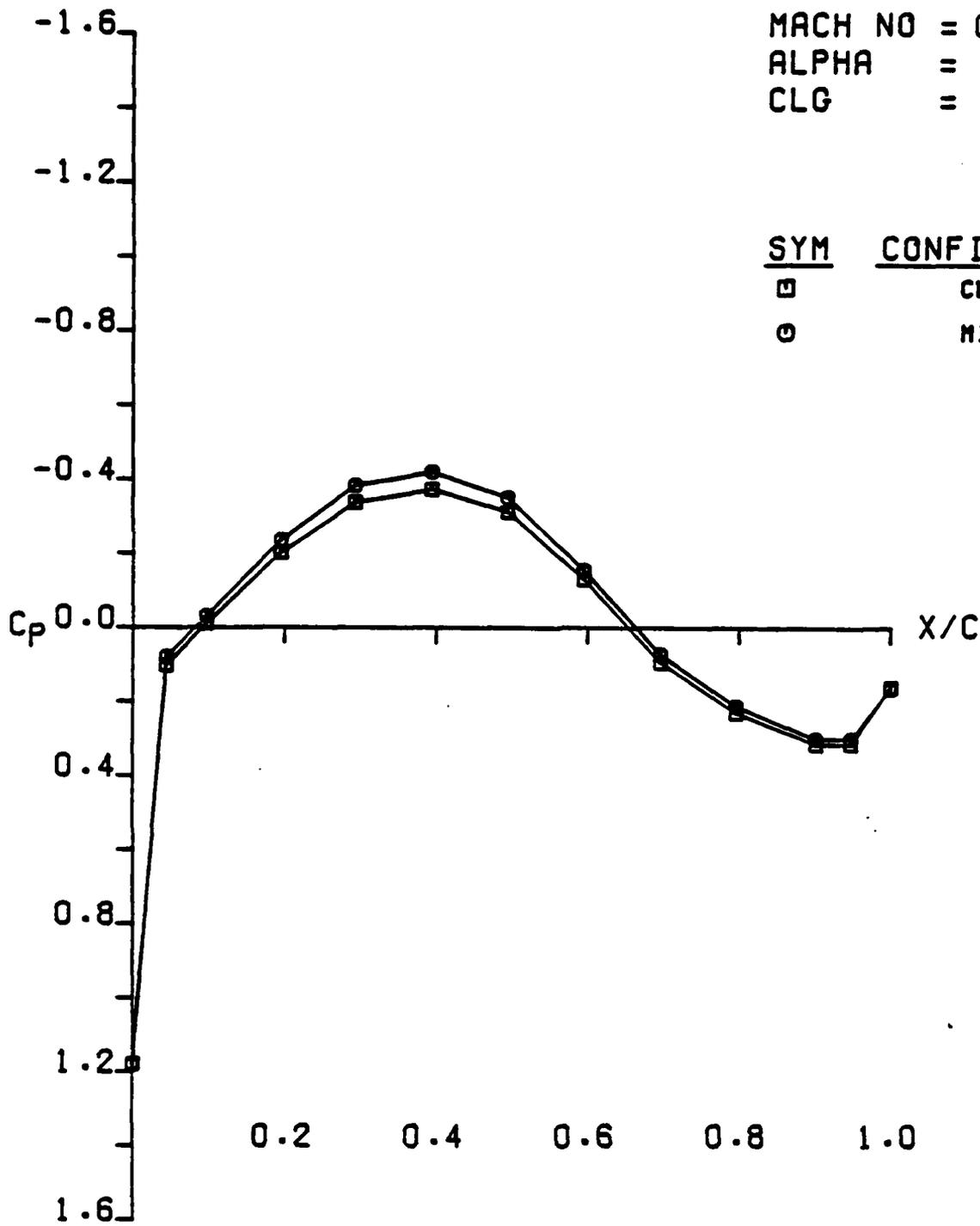
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS MID (LWR SURF ETA .50)
AFOSR SEMISPAN MODEL A

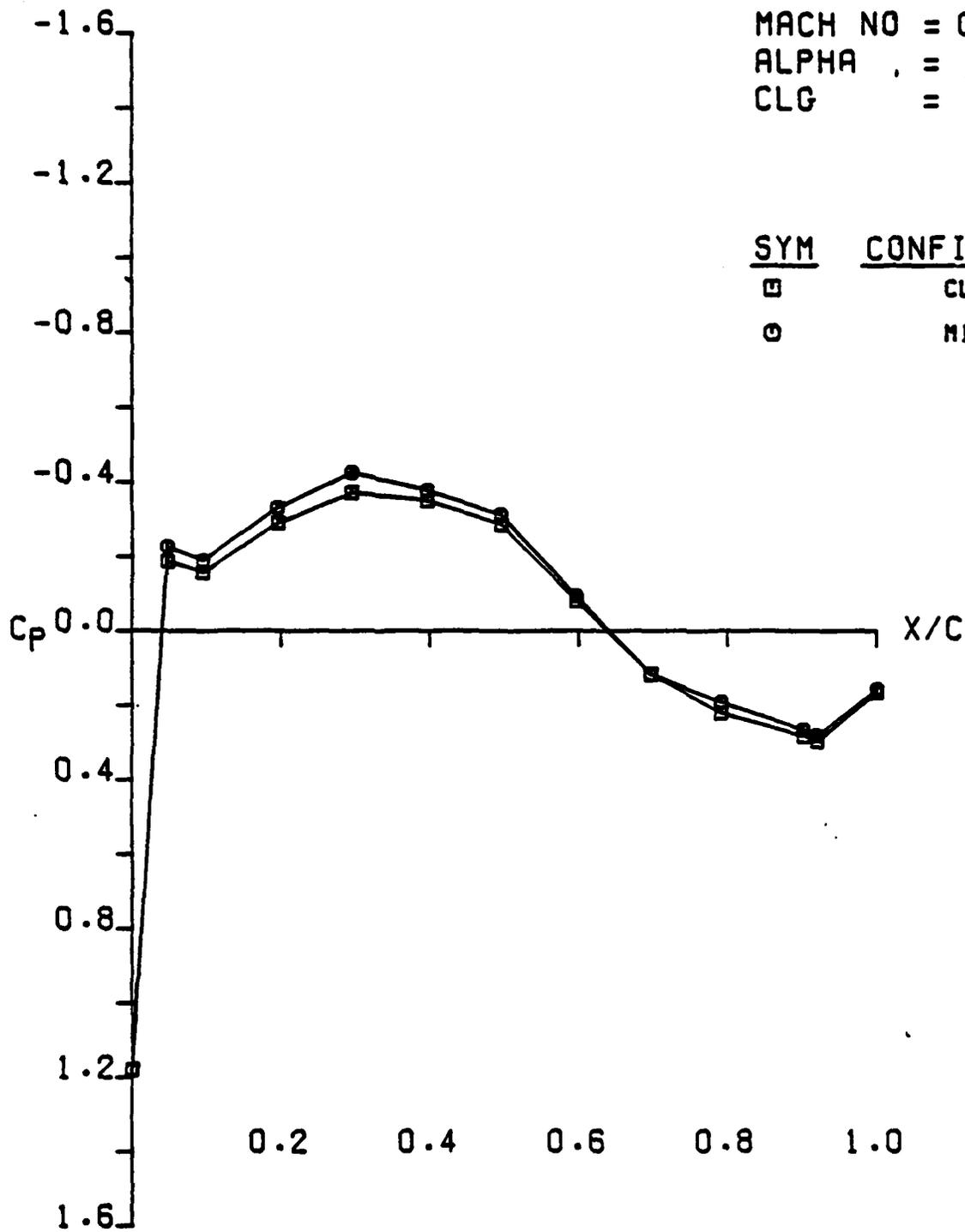
MACH NO = 0.819
ALPHA = 1.960
CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS MID (LWR SURF ETA .70)
AFOSR SEMISPAN MODEL A

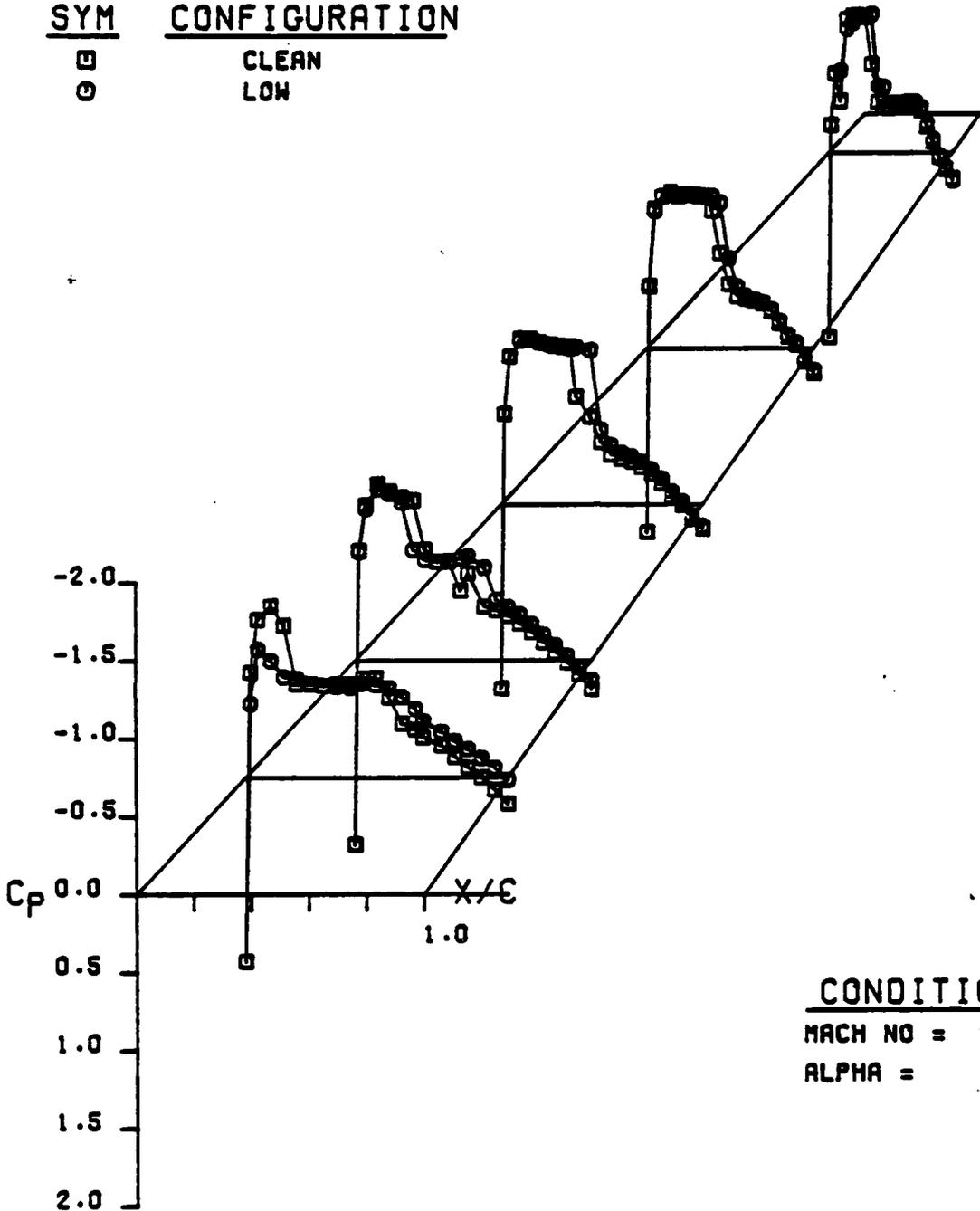
MACH NO = 0.819
ALPHA = 1.960
CLG = 0.422



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS MID (LWR SURF ETA .95)
AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

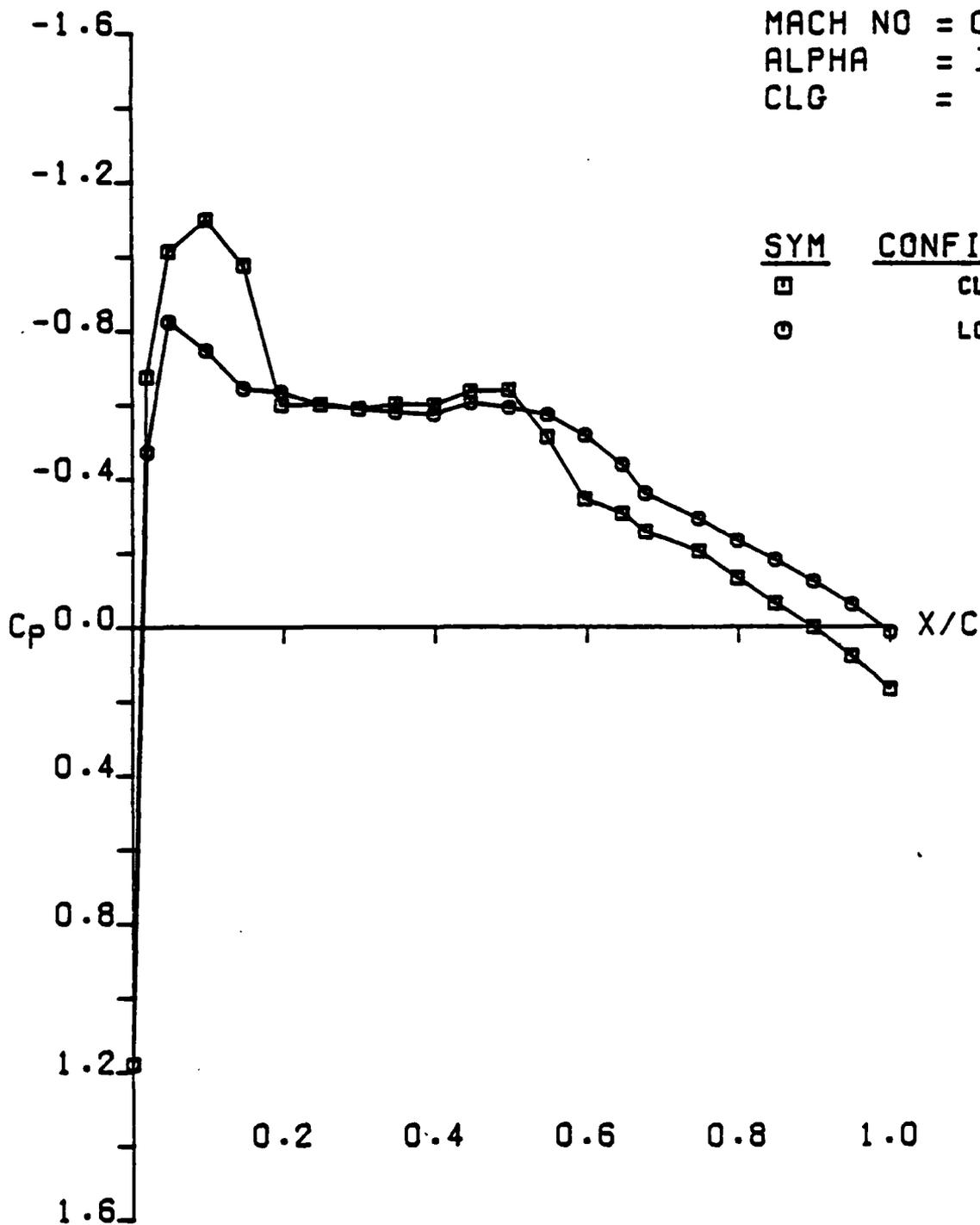
□ CLEAN
 ○ LOW



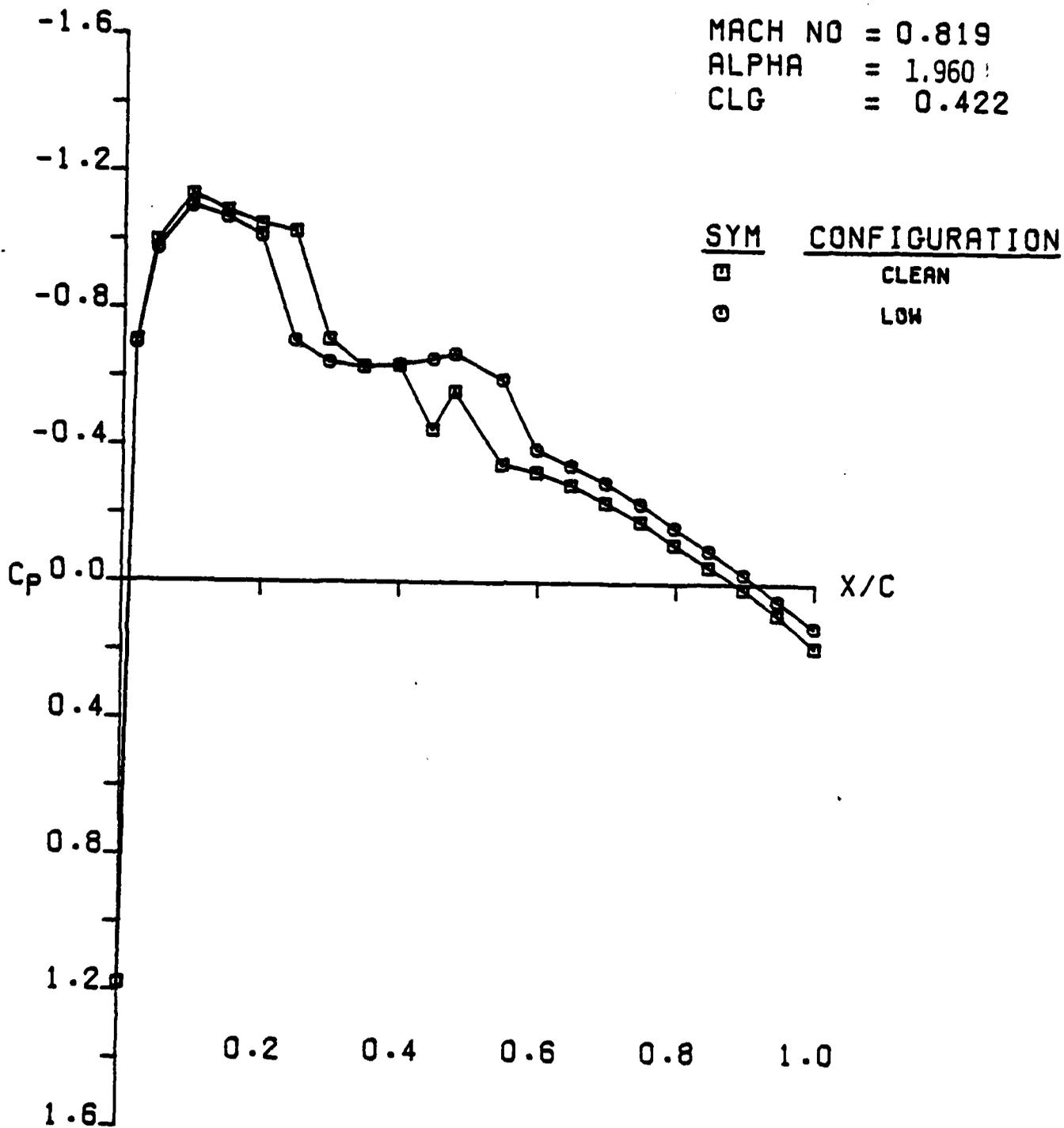
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (UPR SURF)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422

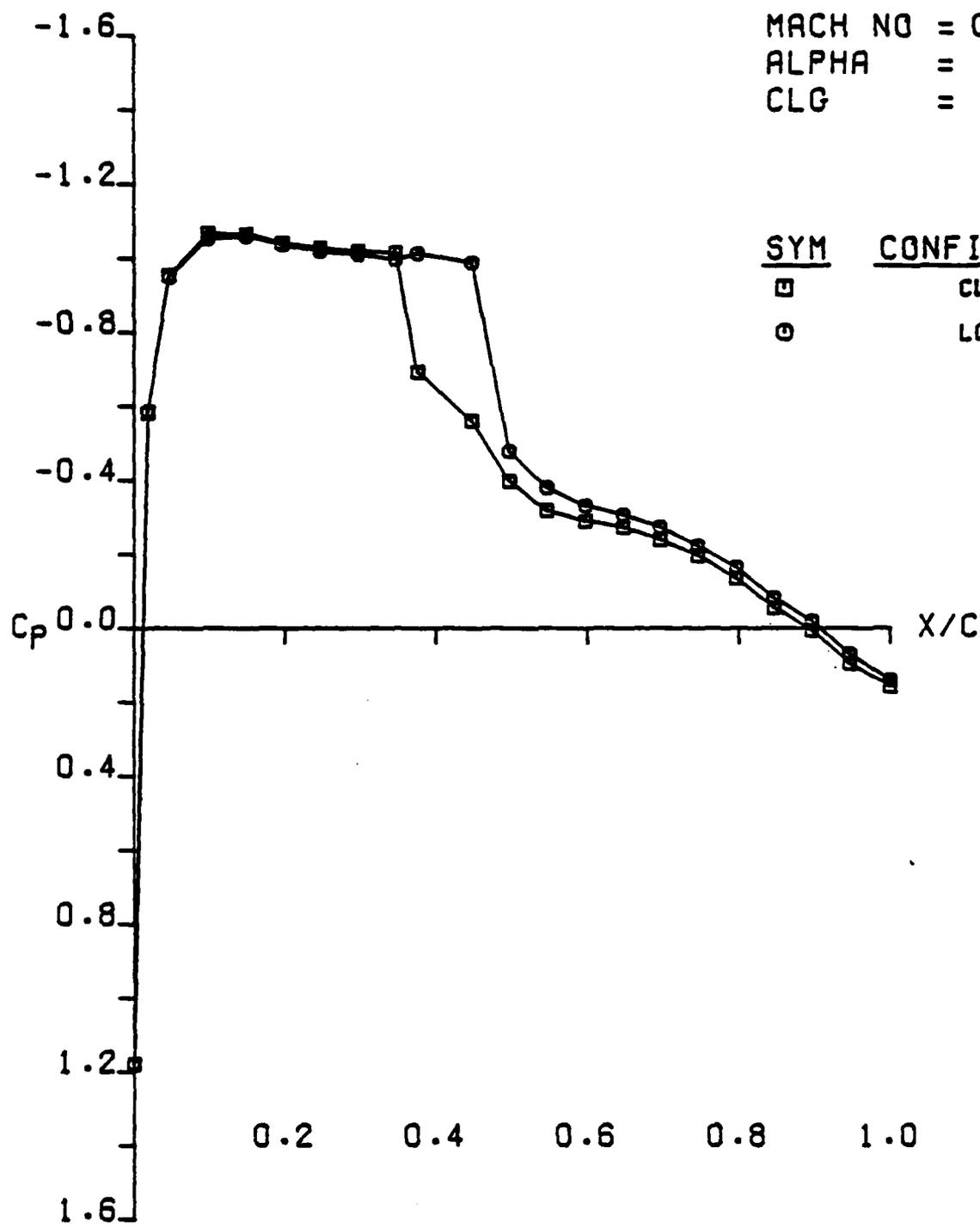
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



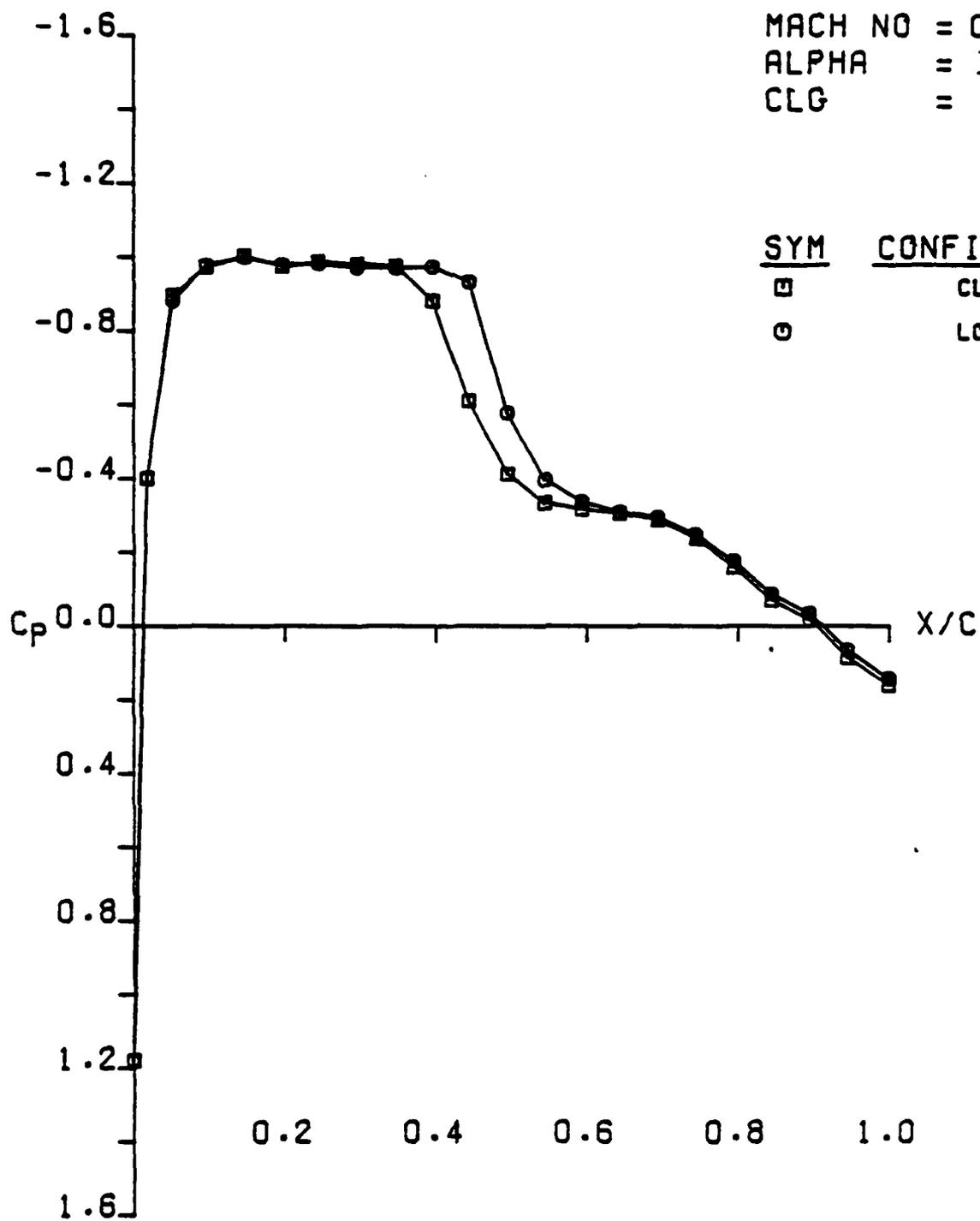
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

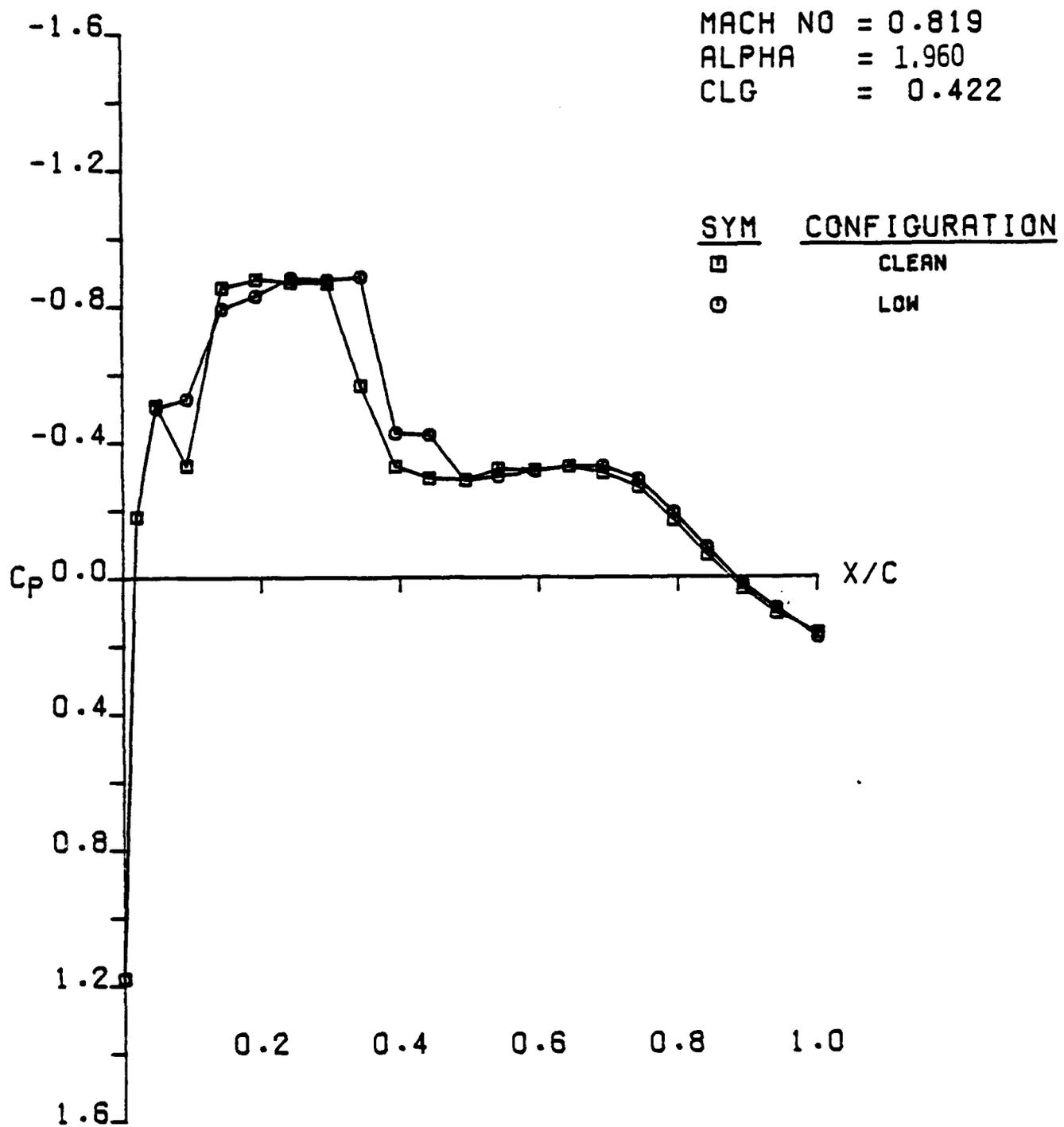
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

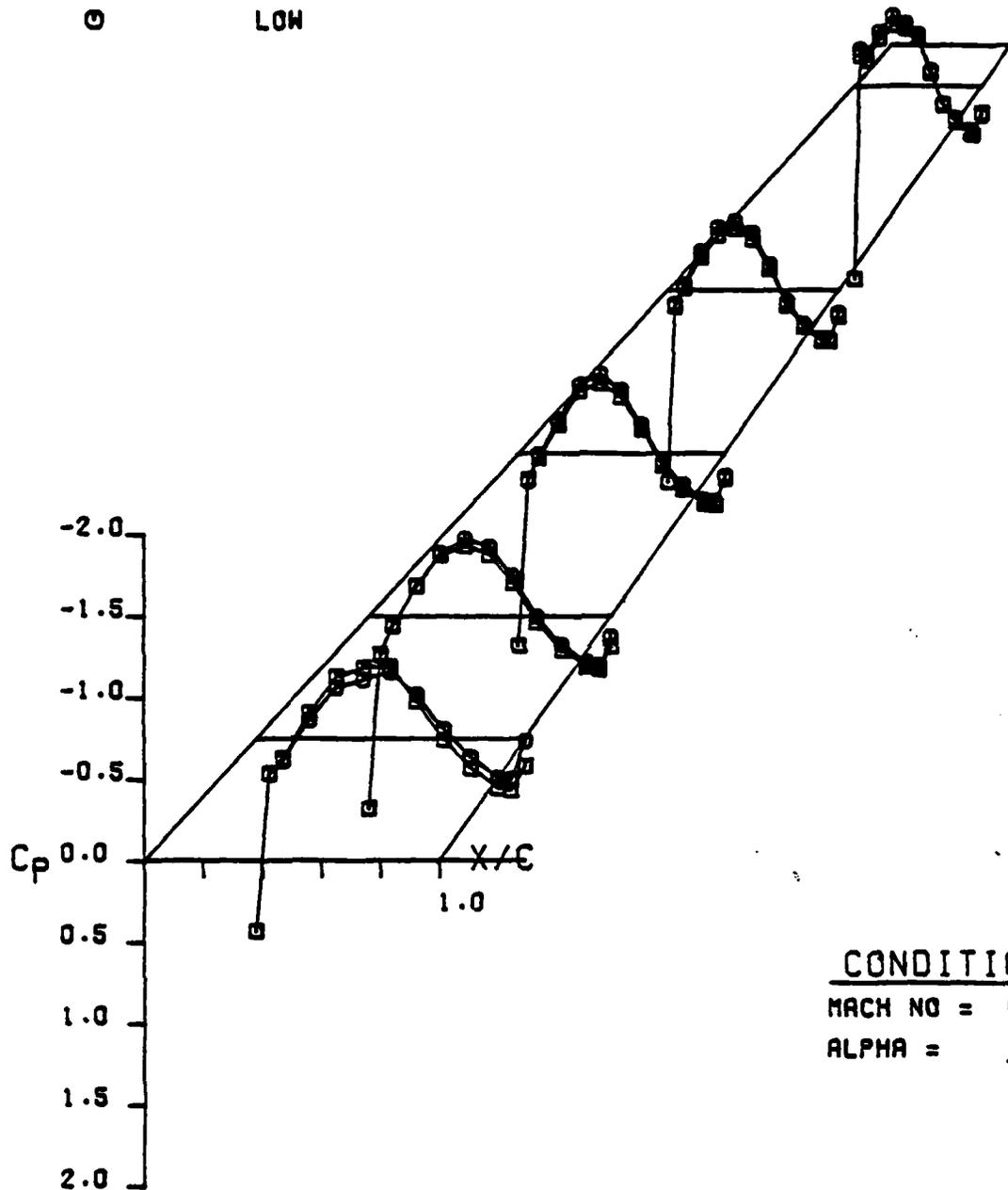
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST.. RUN 34
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

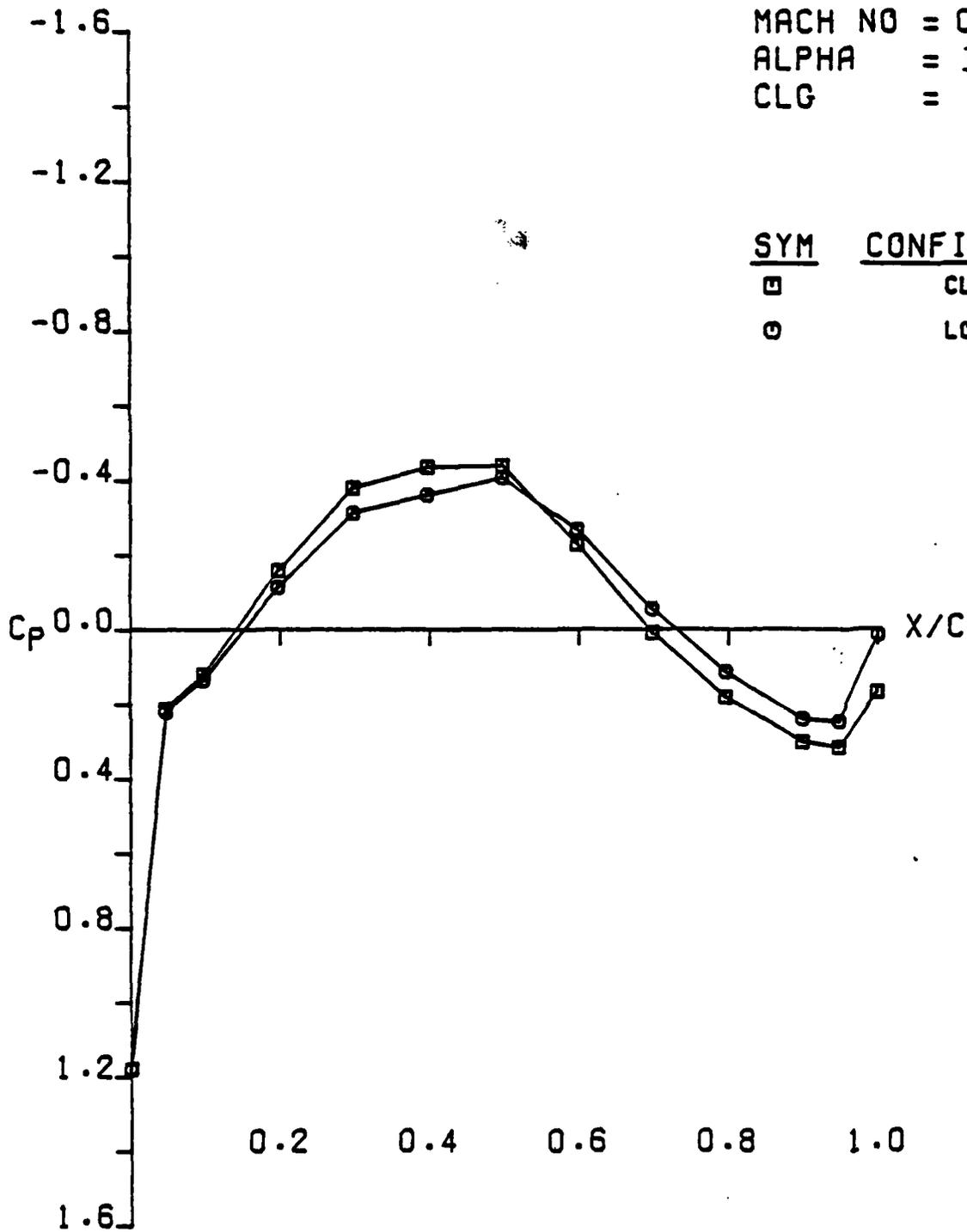
□ CLEAN
 ○ LOW



CONDITIONS

MACH NO = 0.819
 ALPHA = 1.960

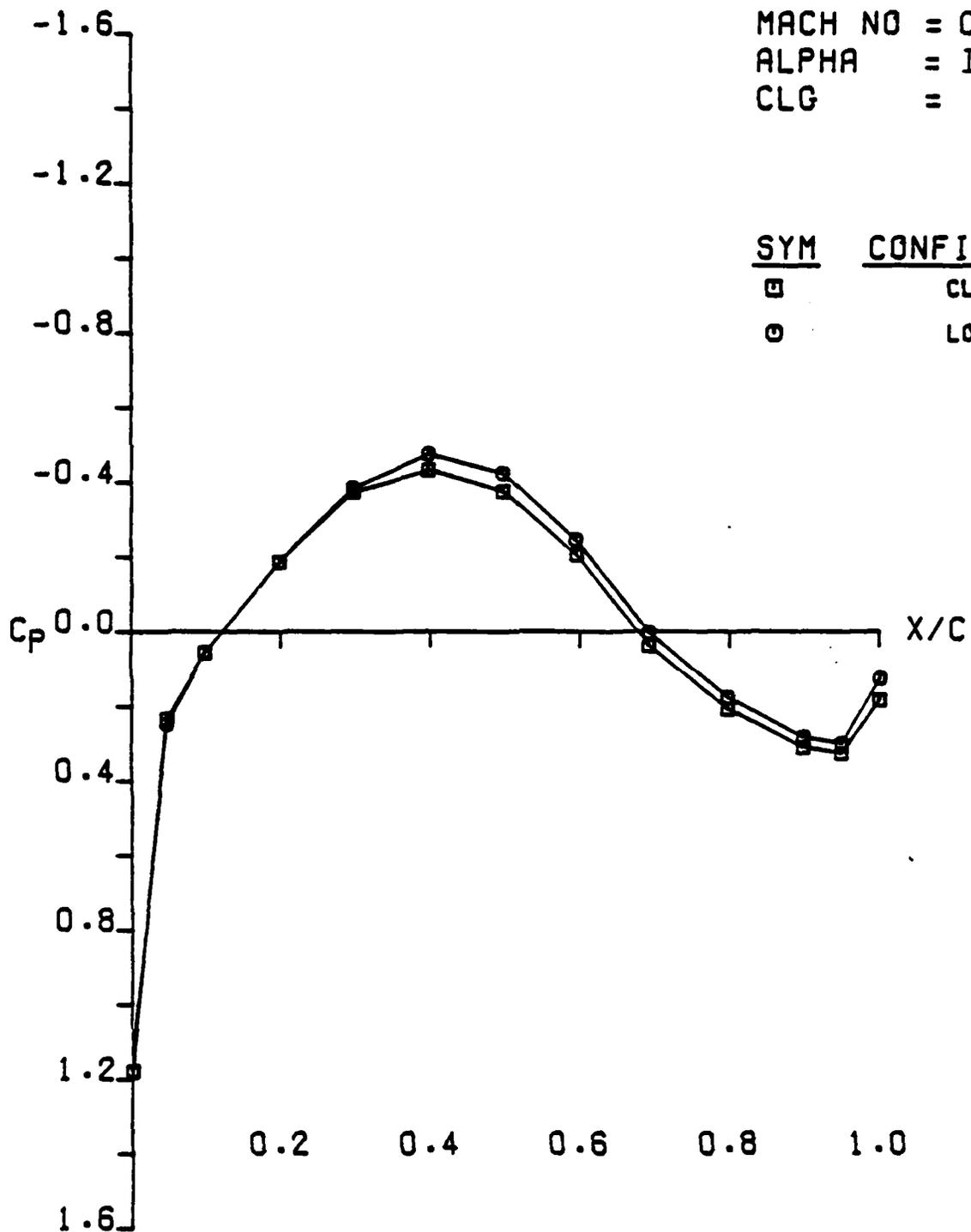
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL A



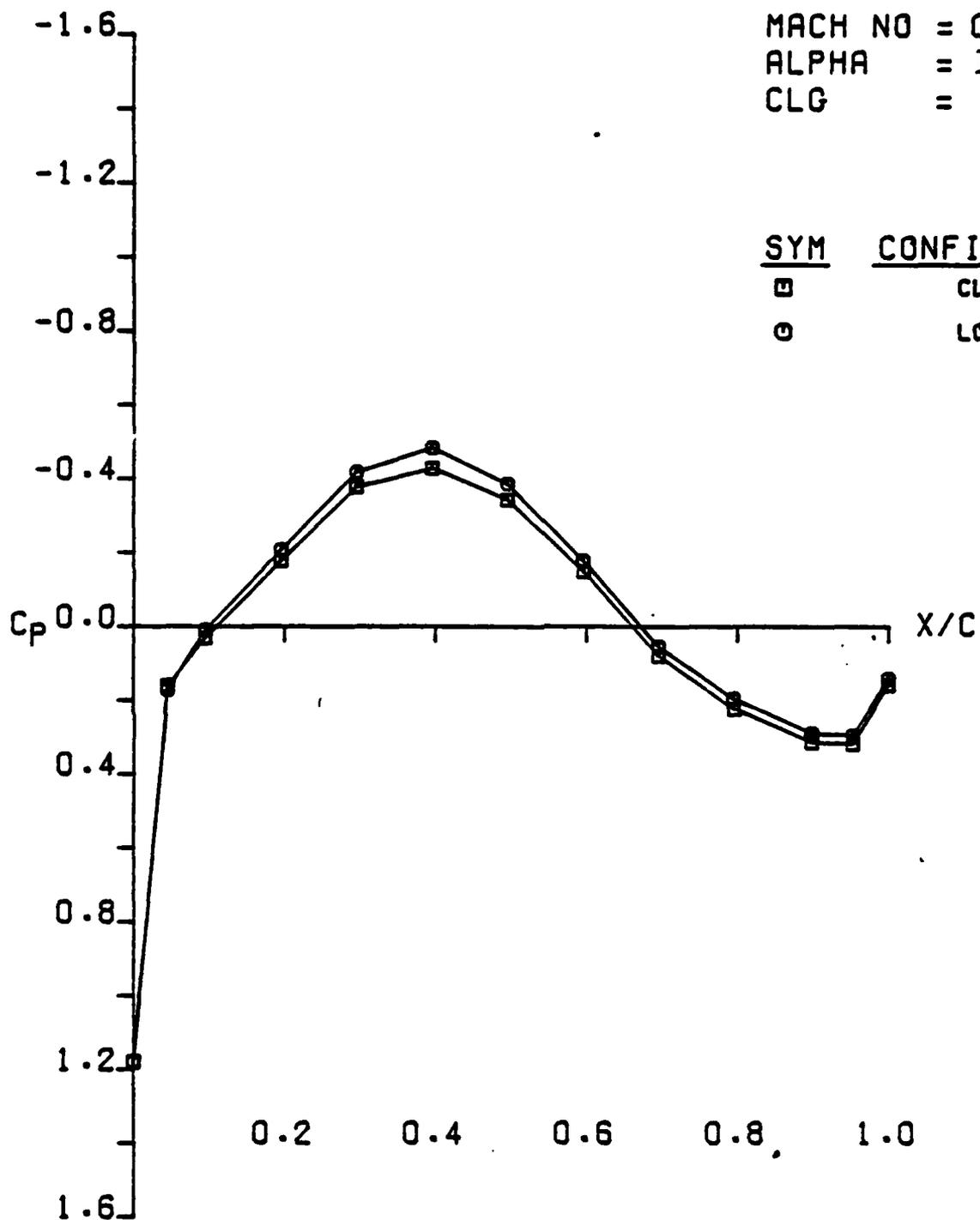
MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



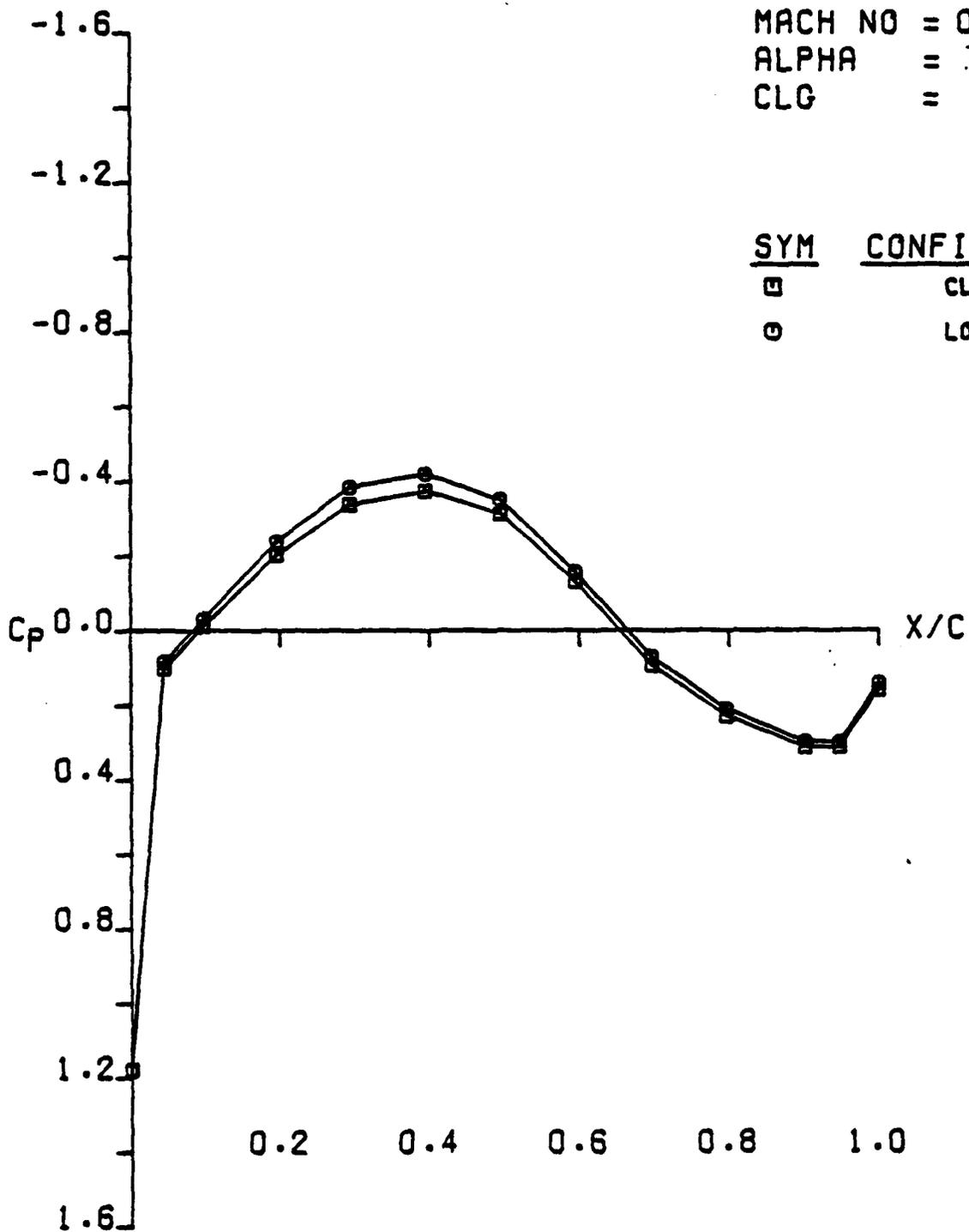
LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

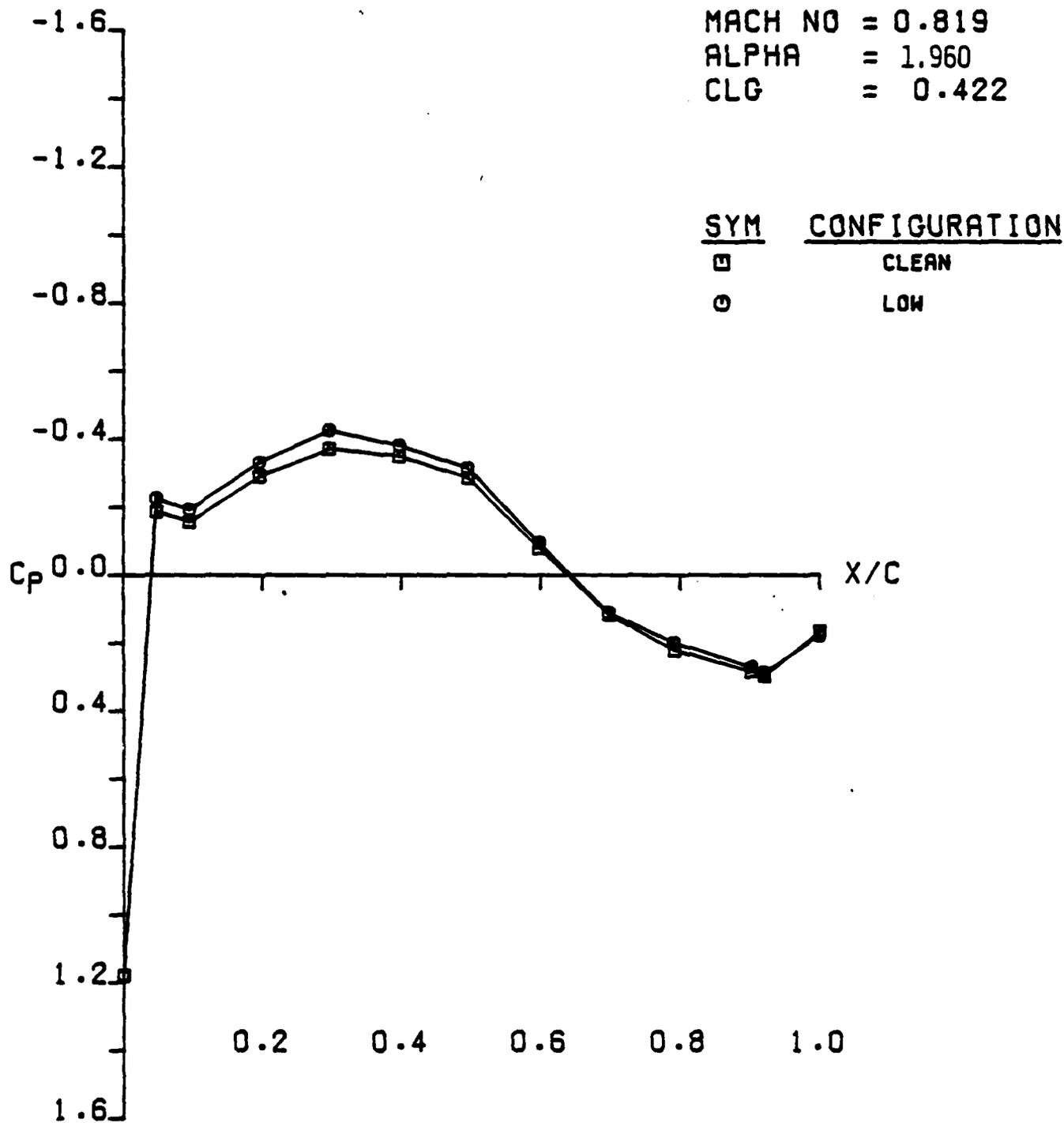
MACH NO = 0.819
ALPHA = 1.960
CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
CLN VS LOW (LWR SURF ETA .70)
AFOSR SEMISPAN MODEL A

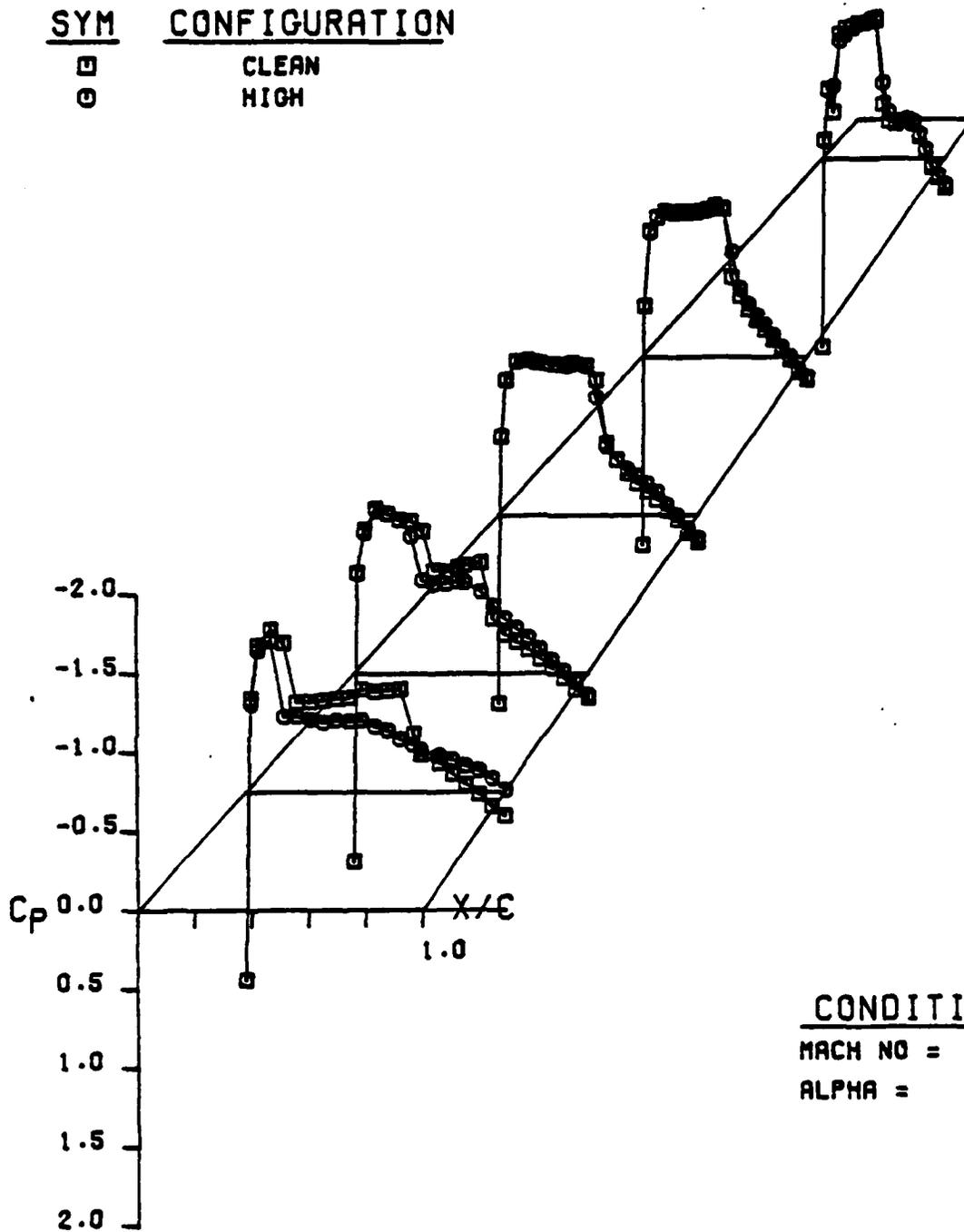
MACH NO = 0.819
 ALPHA = 1.960
 CLG = 0.422



LOCKHEED CFWT SEMI-SPAN TEST, RUN 34
 CLN VS LOW (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

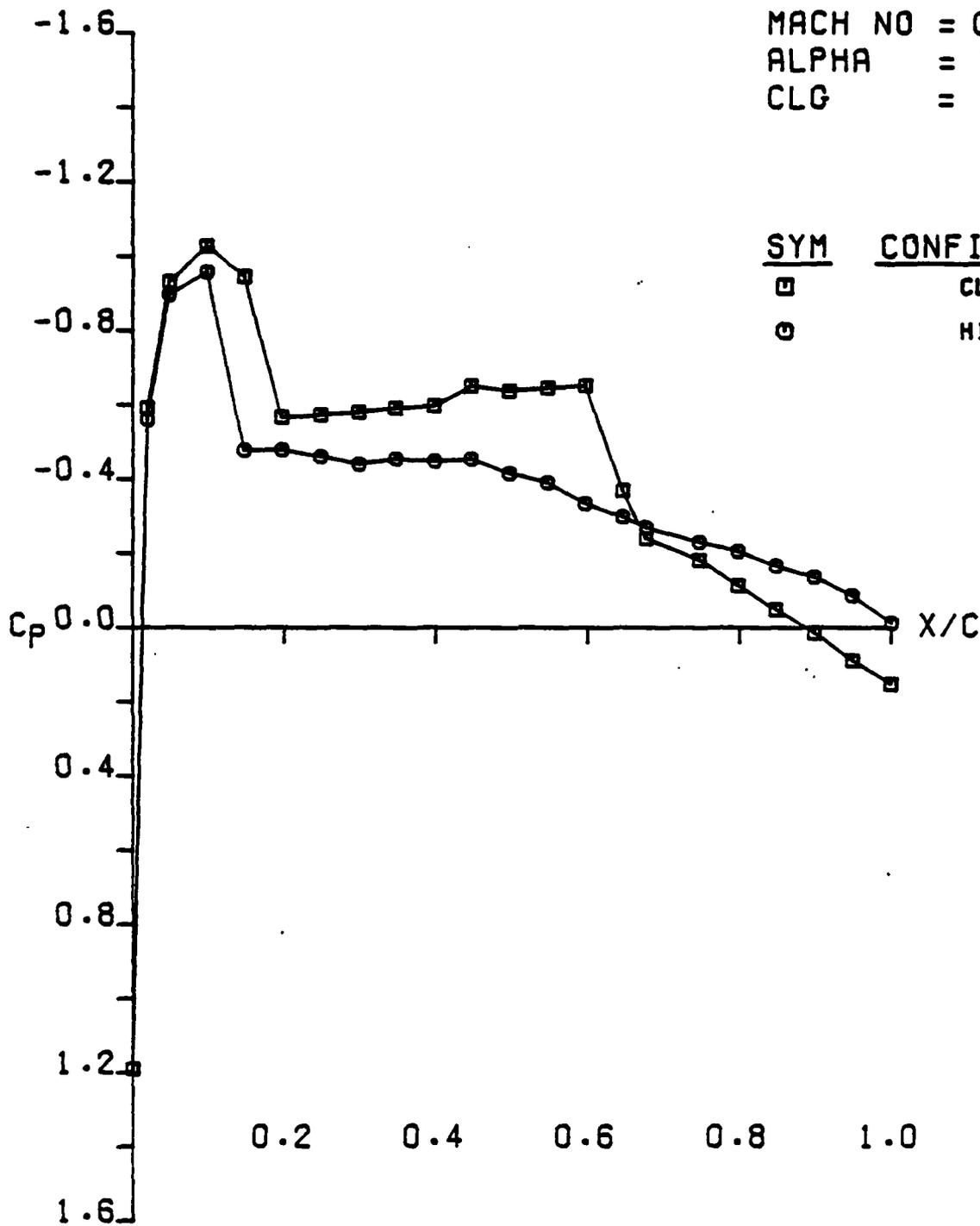
□ CLEAN
 ○ HIGH



CONDITIONS

MACH NO = 0.842
 ALPHA = 1.937

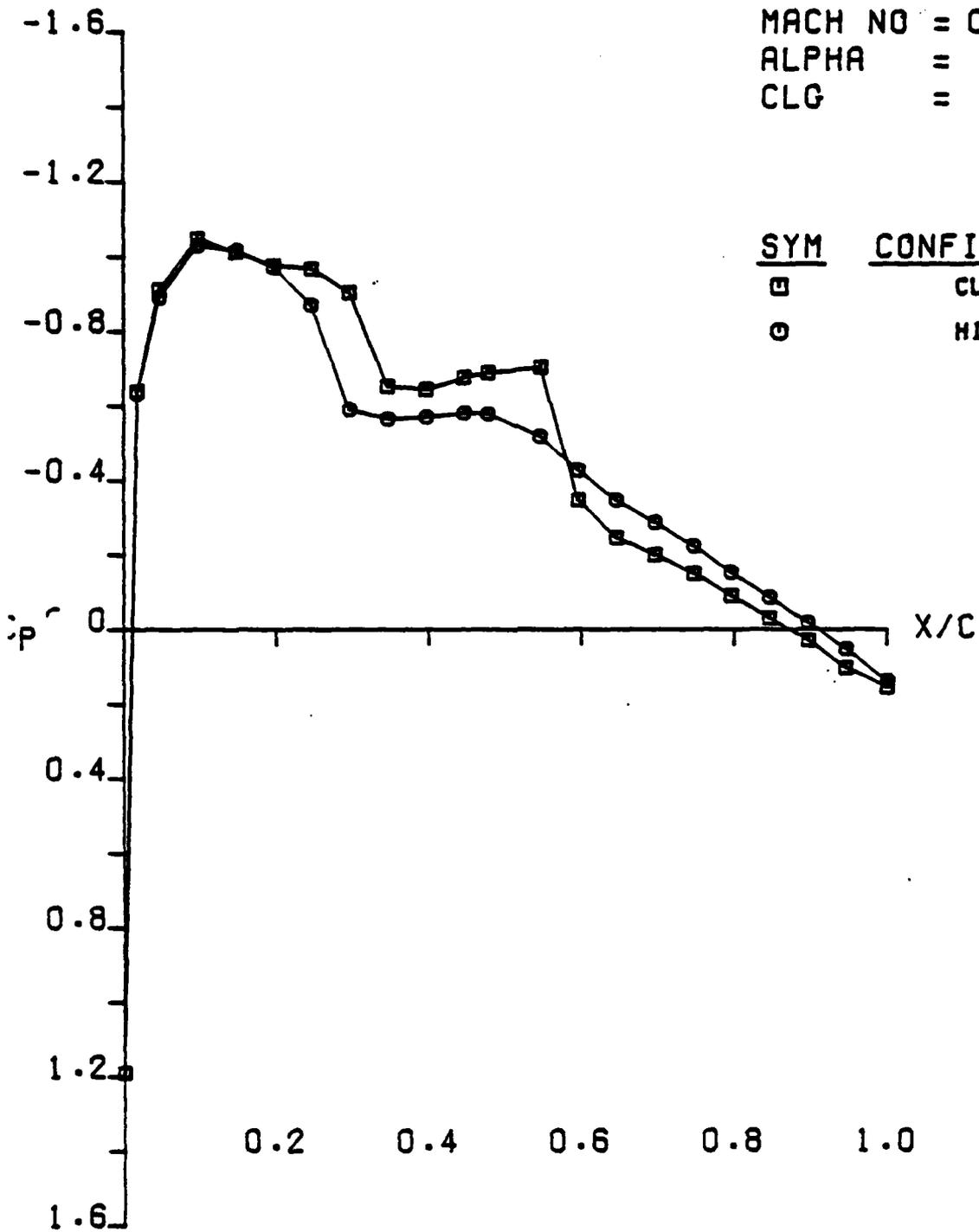
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

SYM	CONFIGURATION
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST. RUN 38
 CLN VS HIGH (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

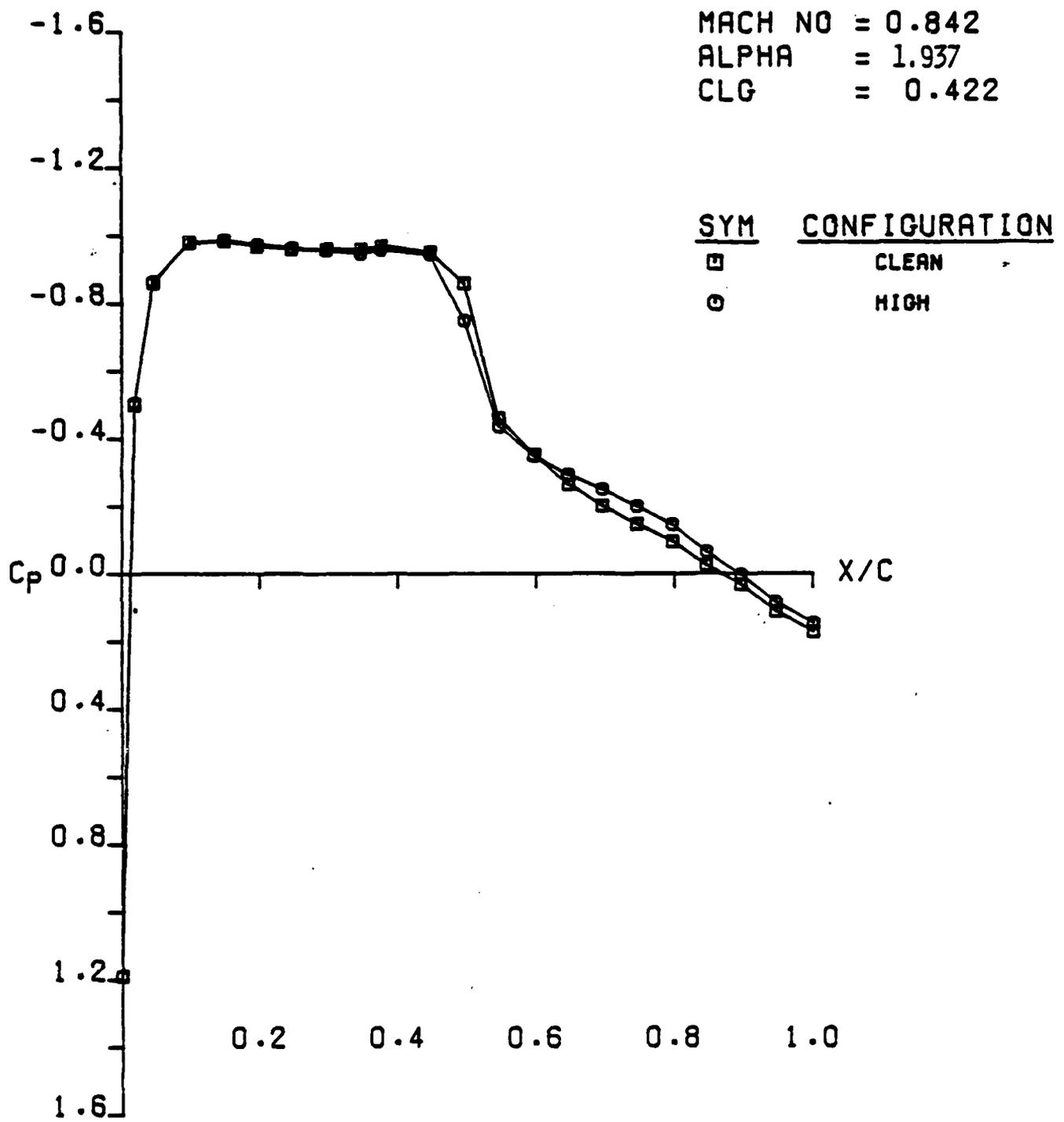


MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

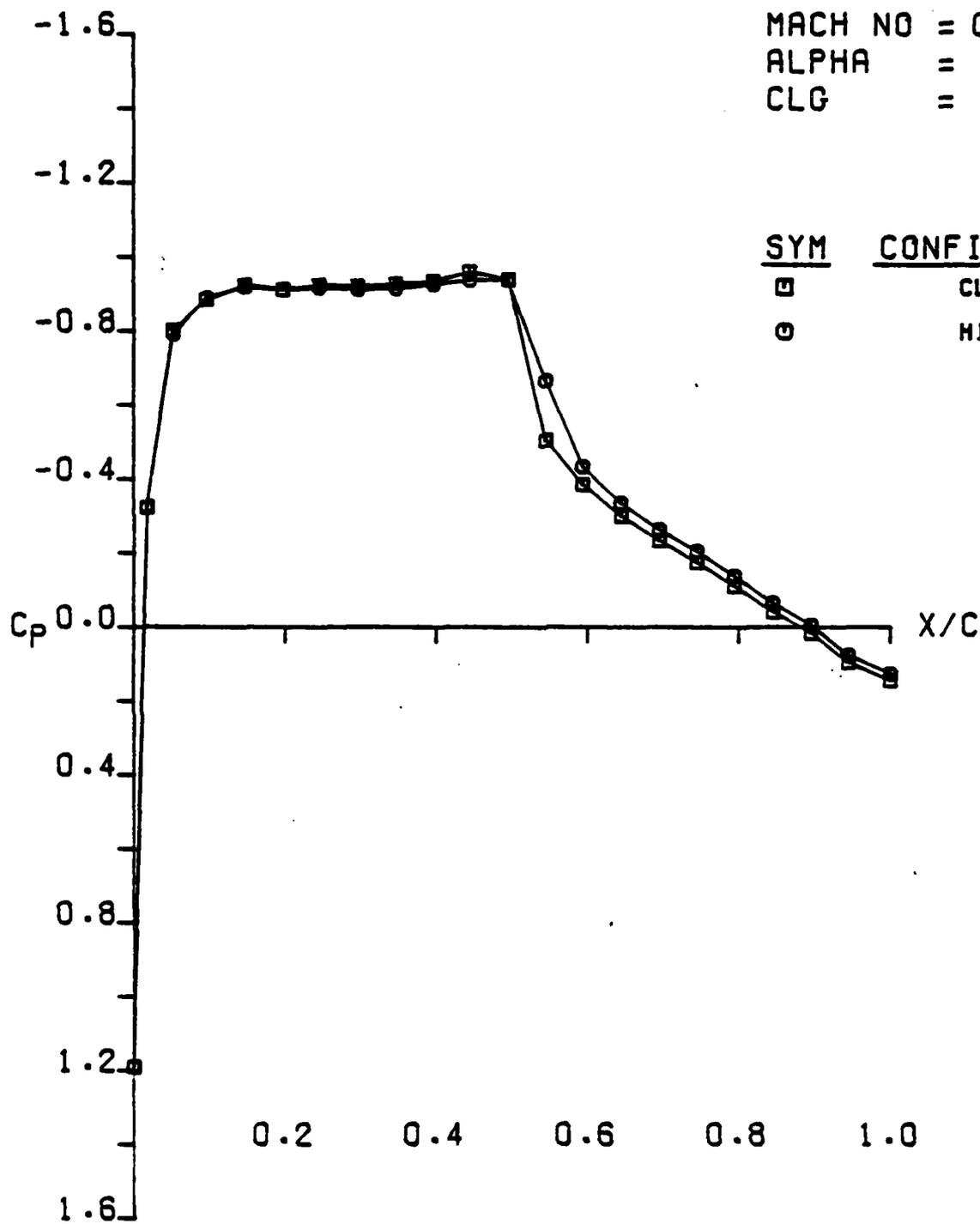
SYM	CONFIGURATION
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

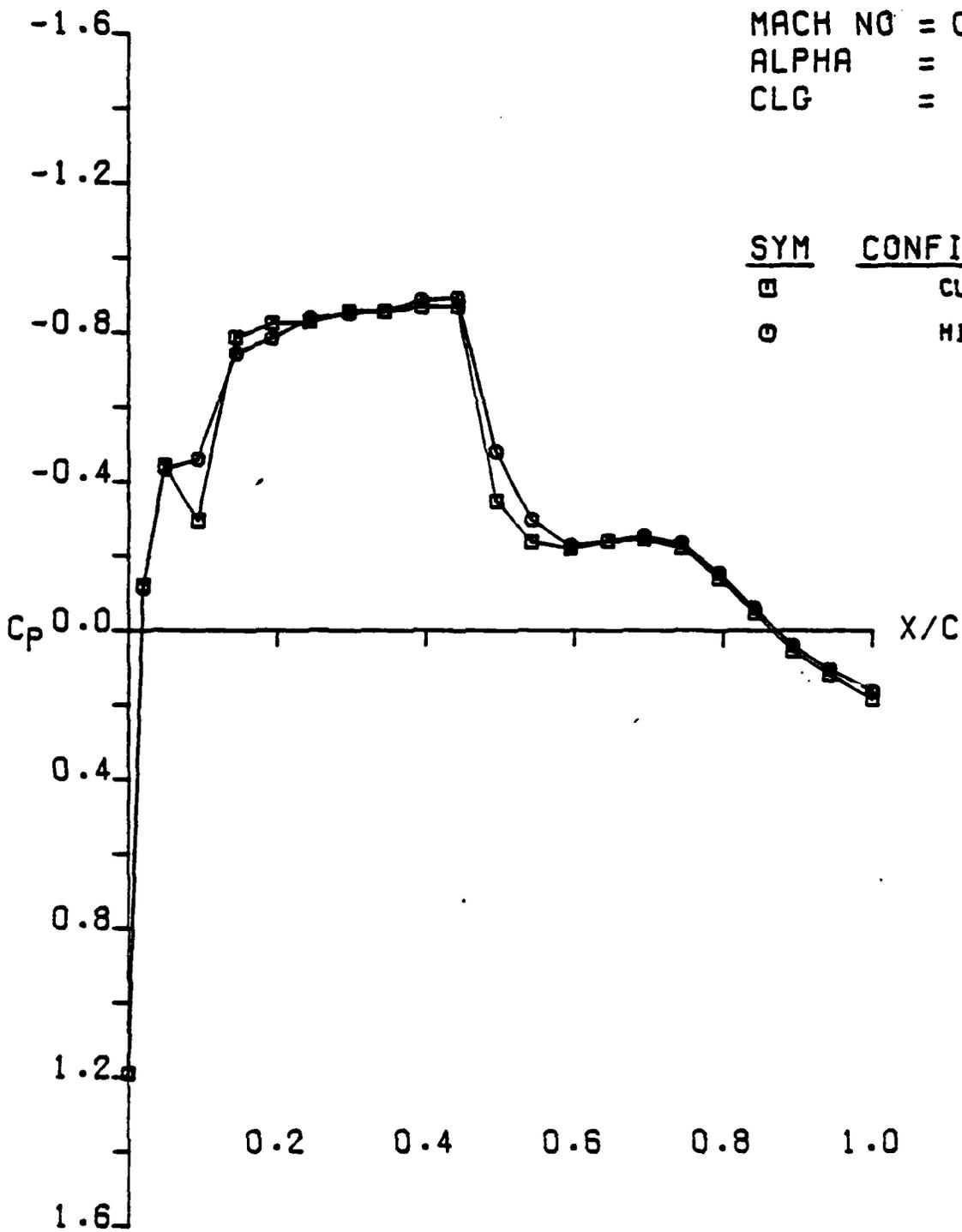
MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



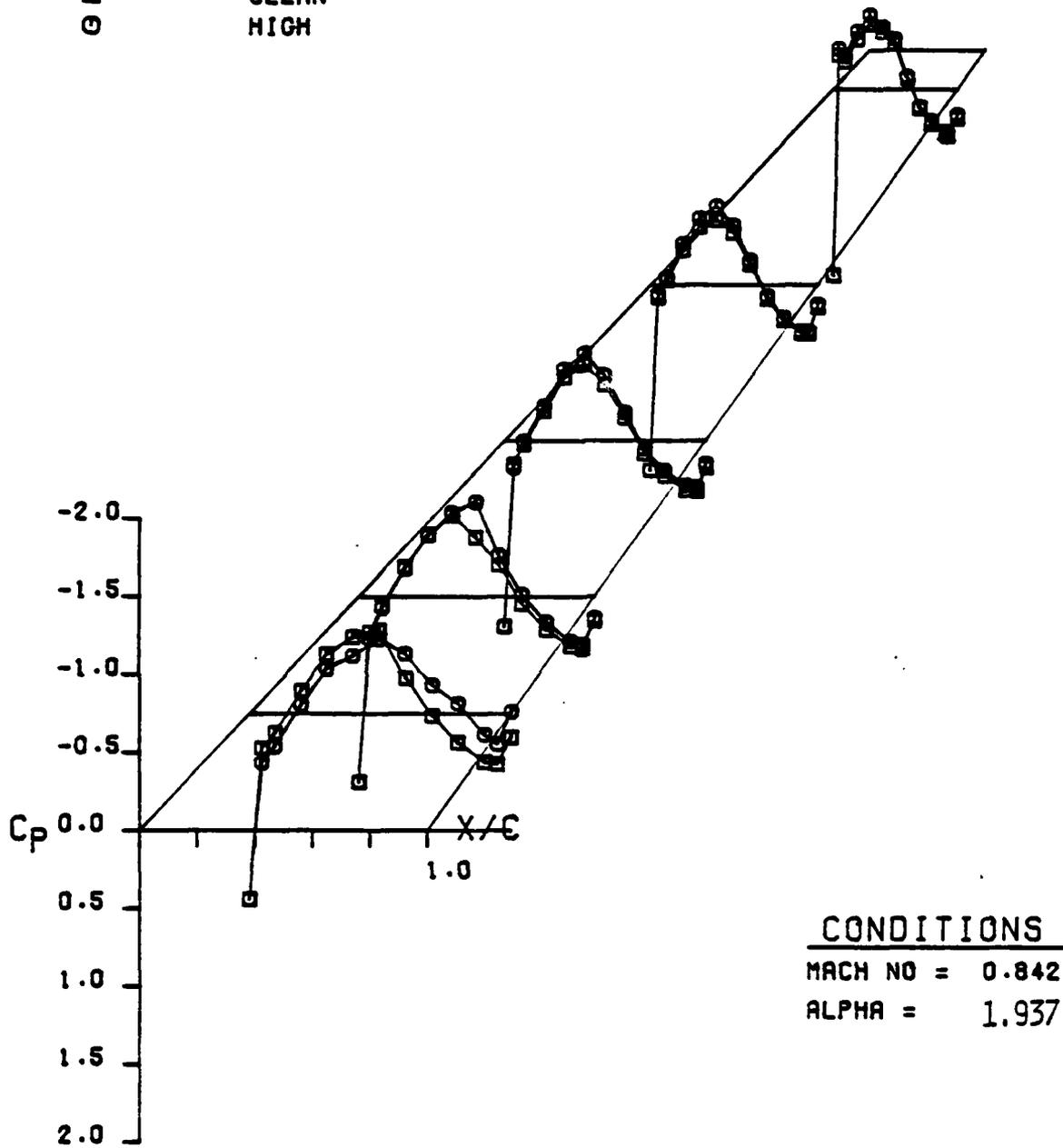
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



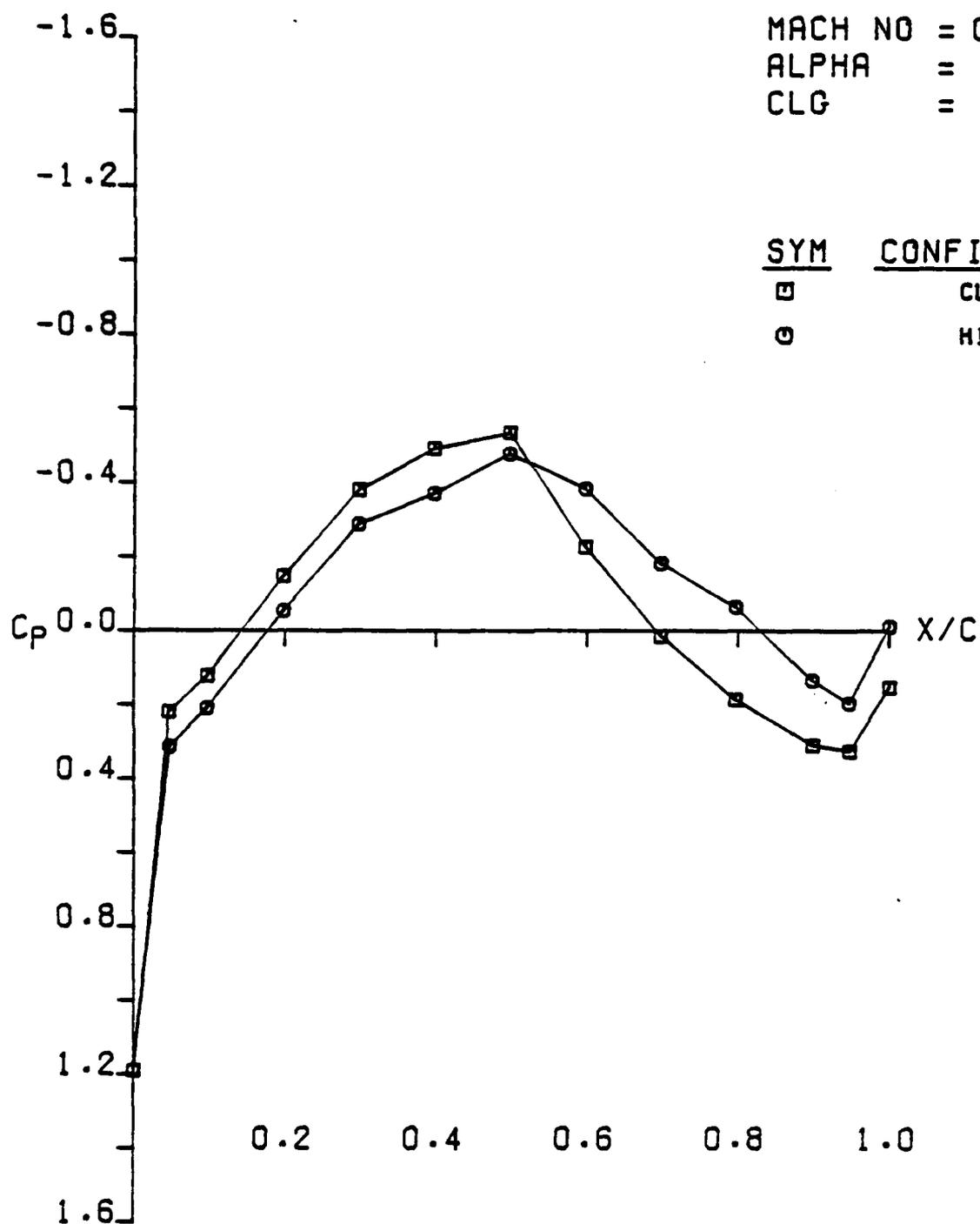
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ HIGH



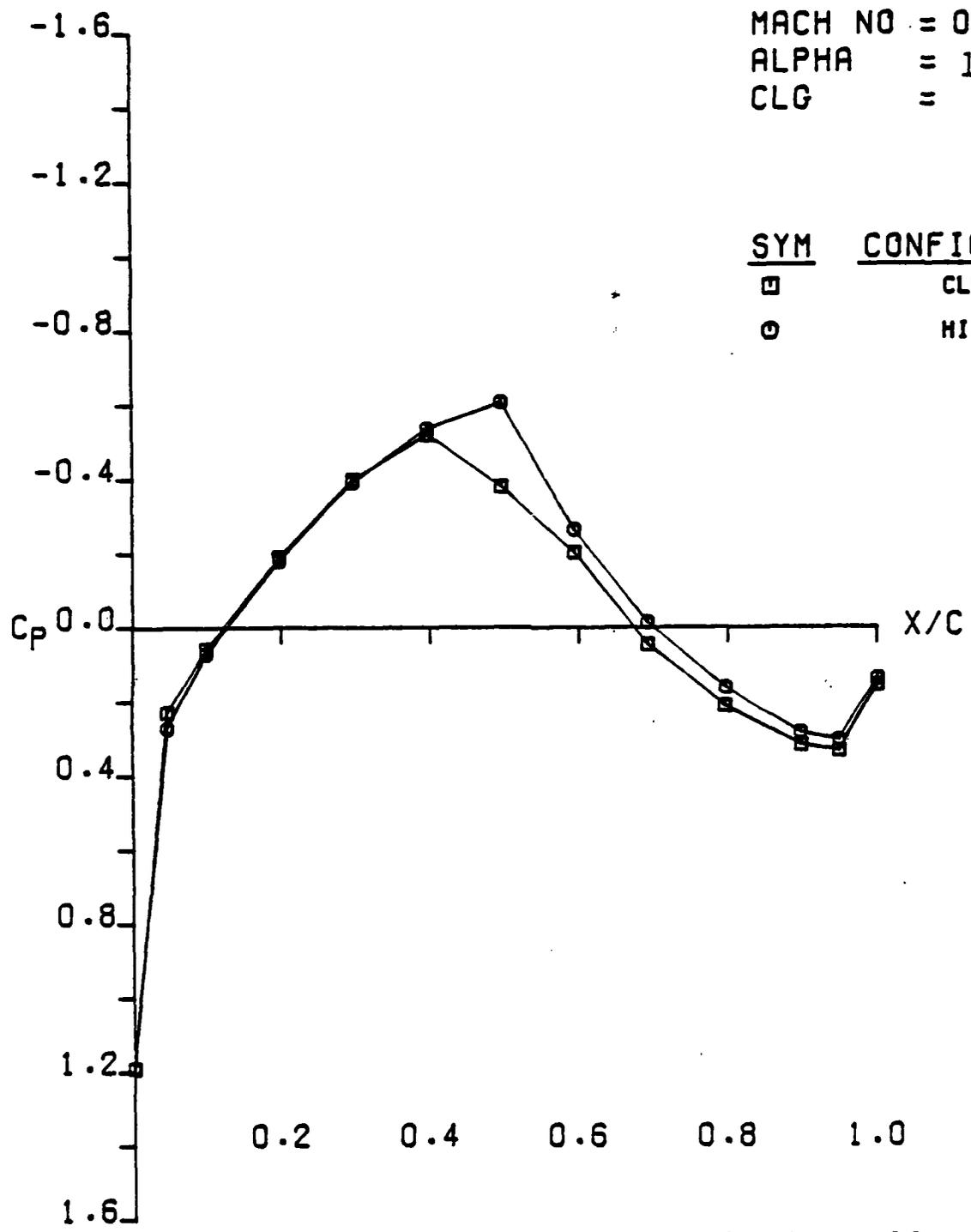
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (LWR SURF)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.842
 ALPHA = 1.937°
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

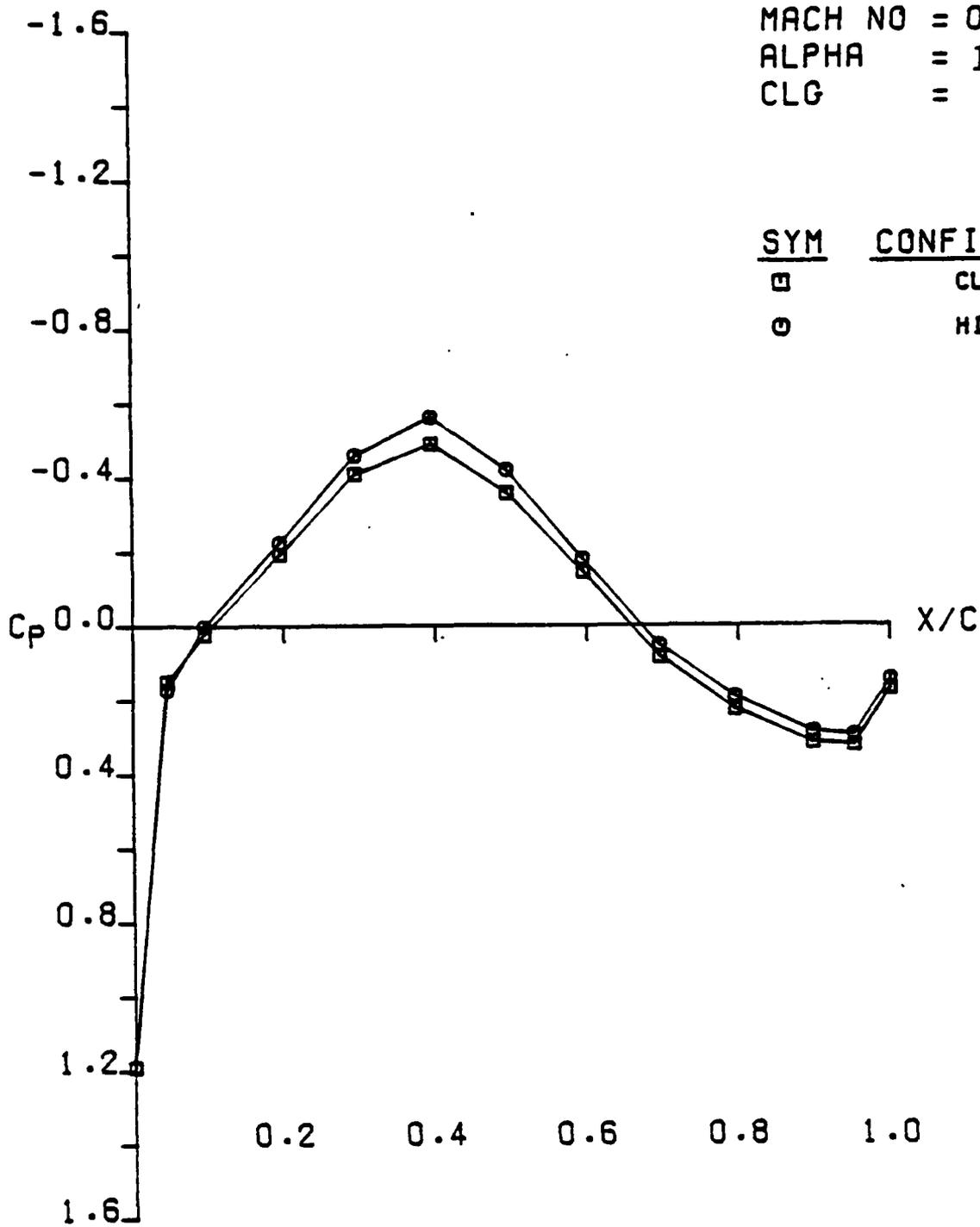
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

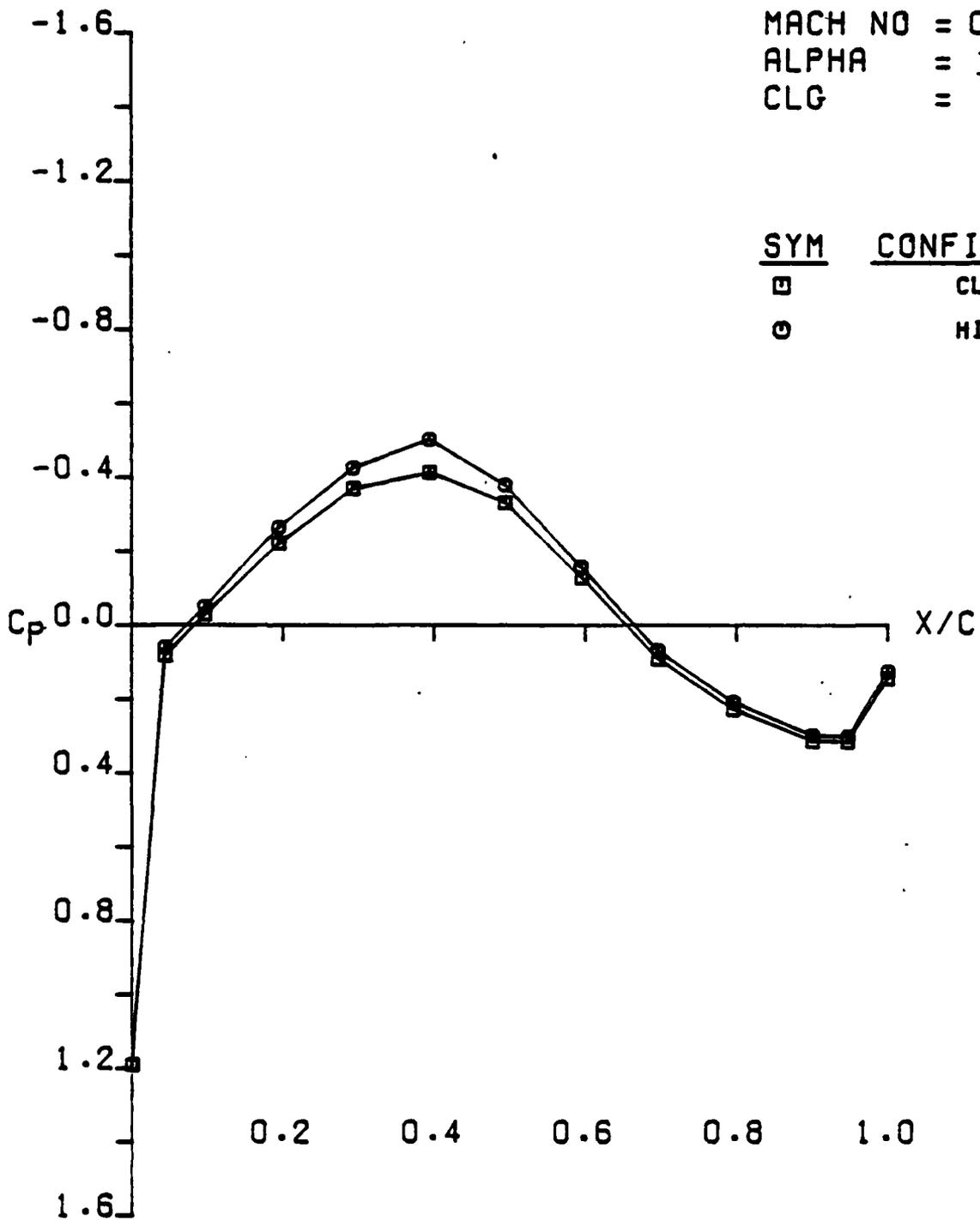
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

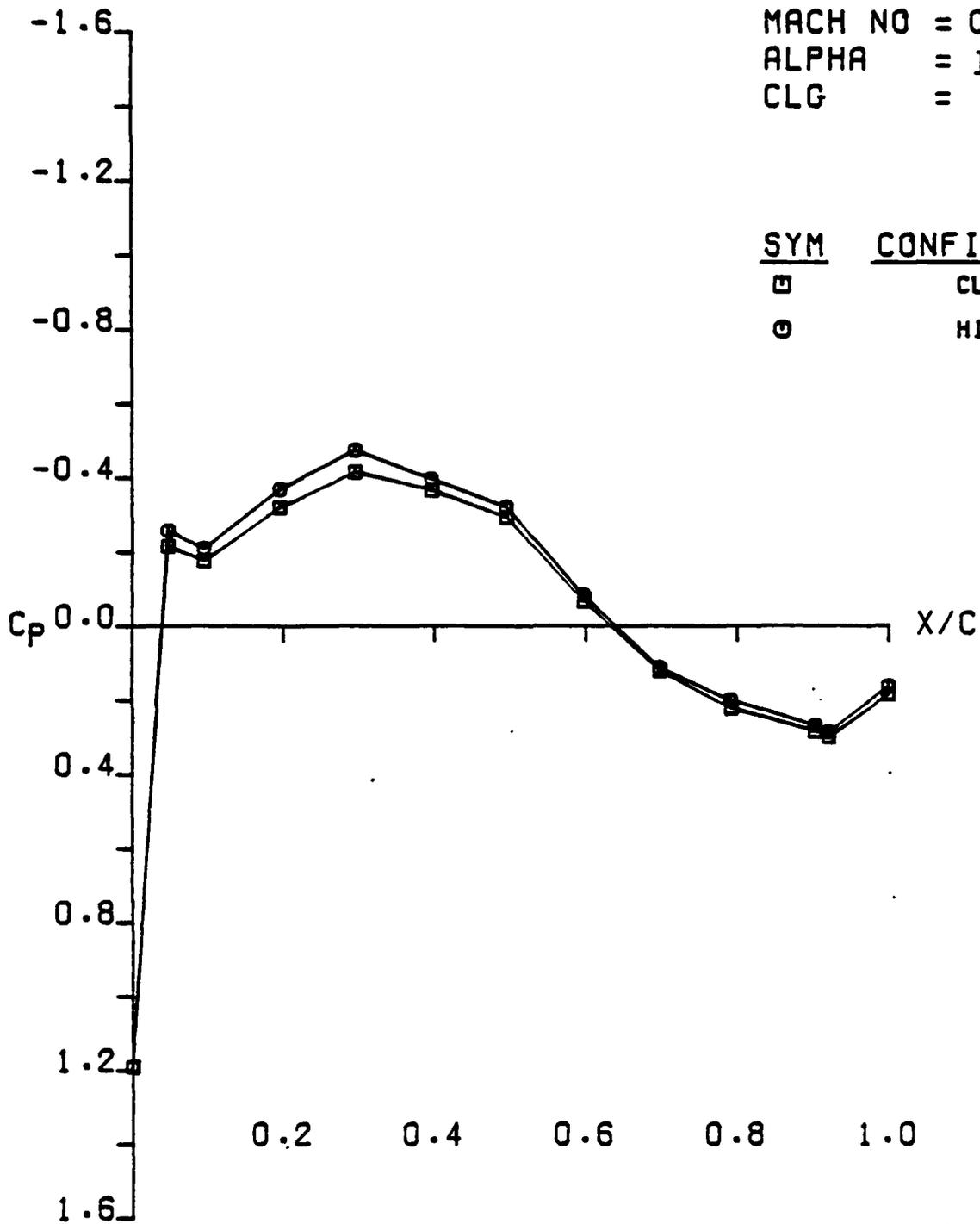
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



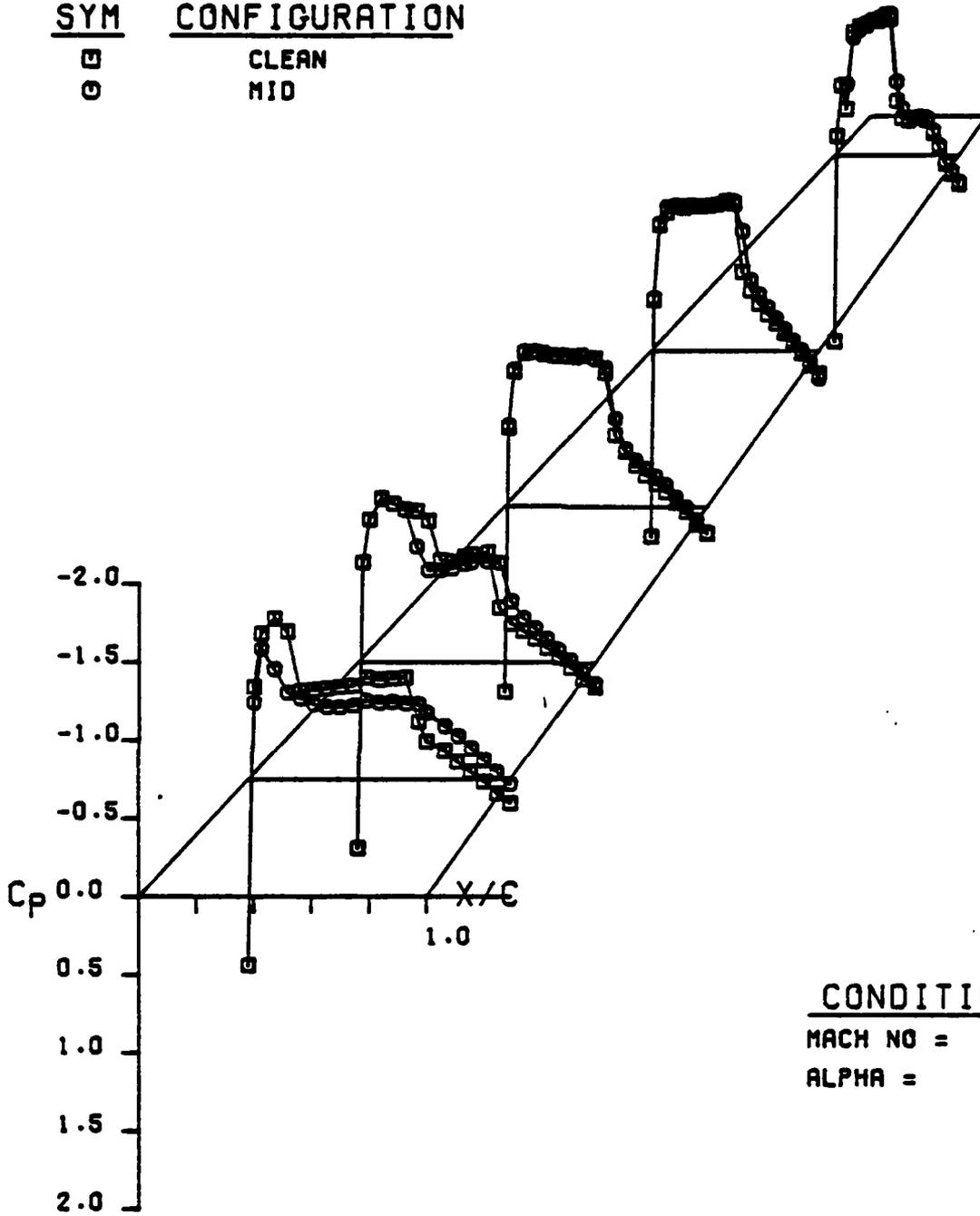
MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS HIGH (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

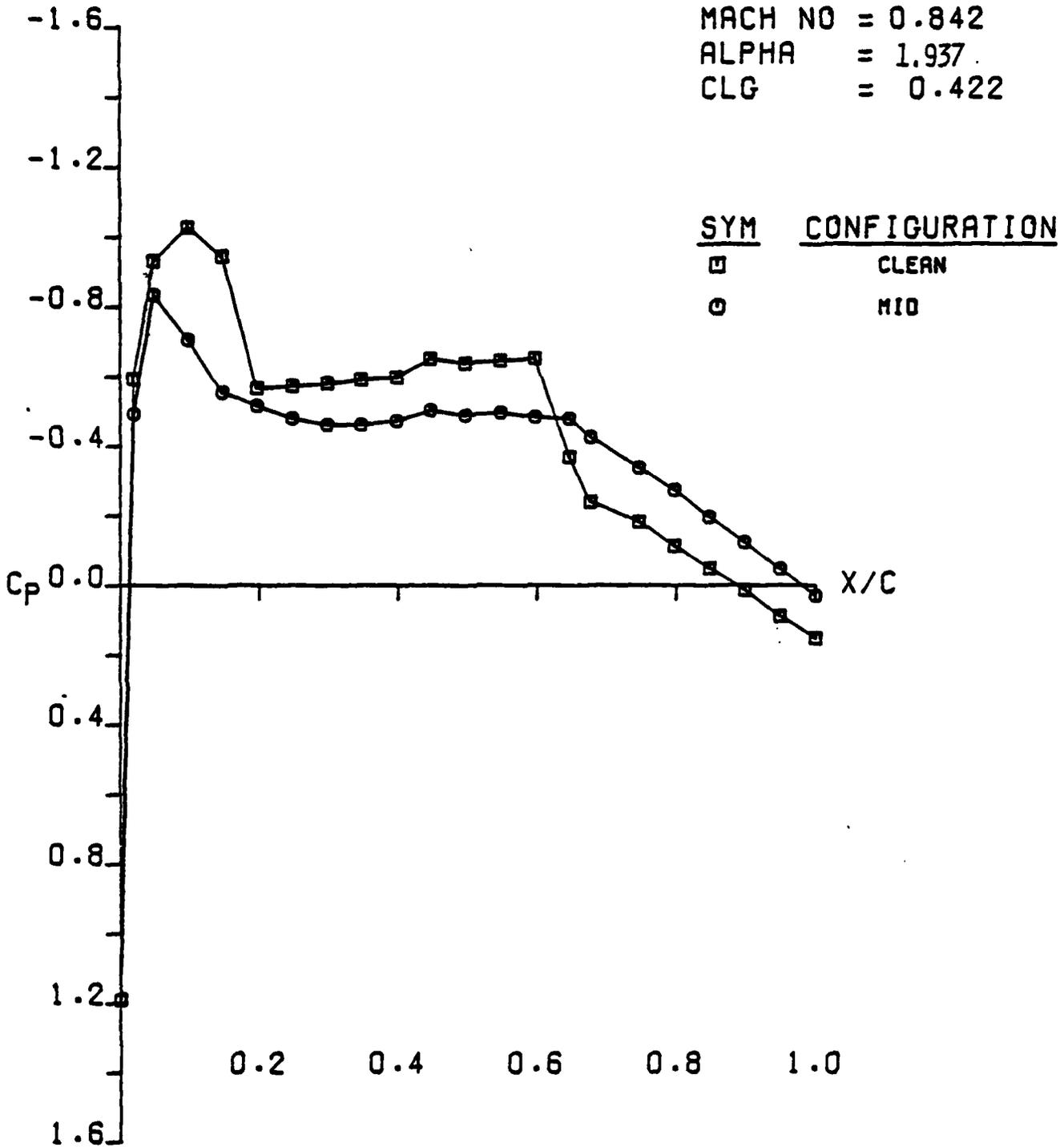
SYM CONFIGURATION

□ CLEAN
 ○ MID



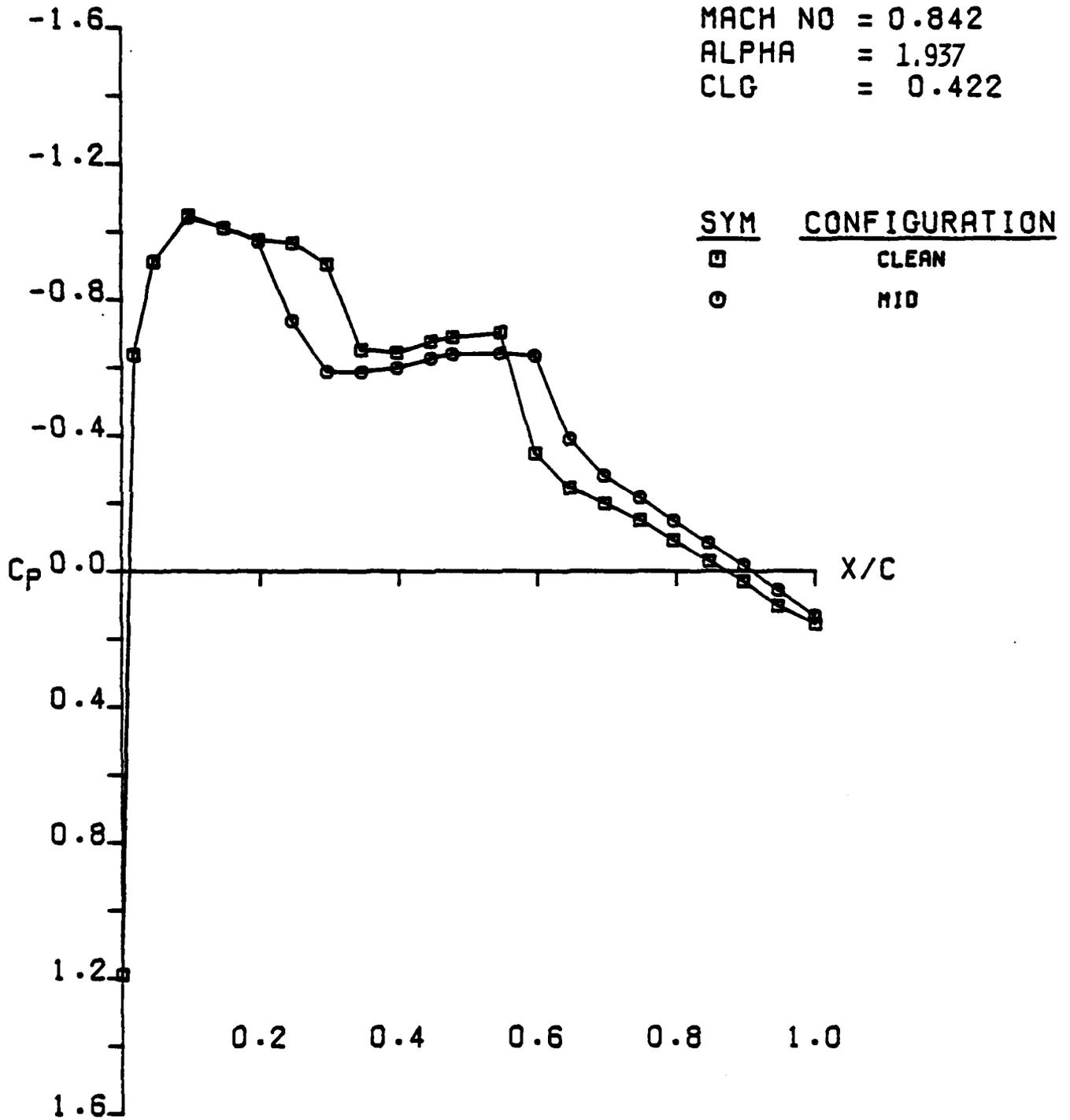
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

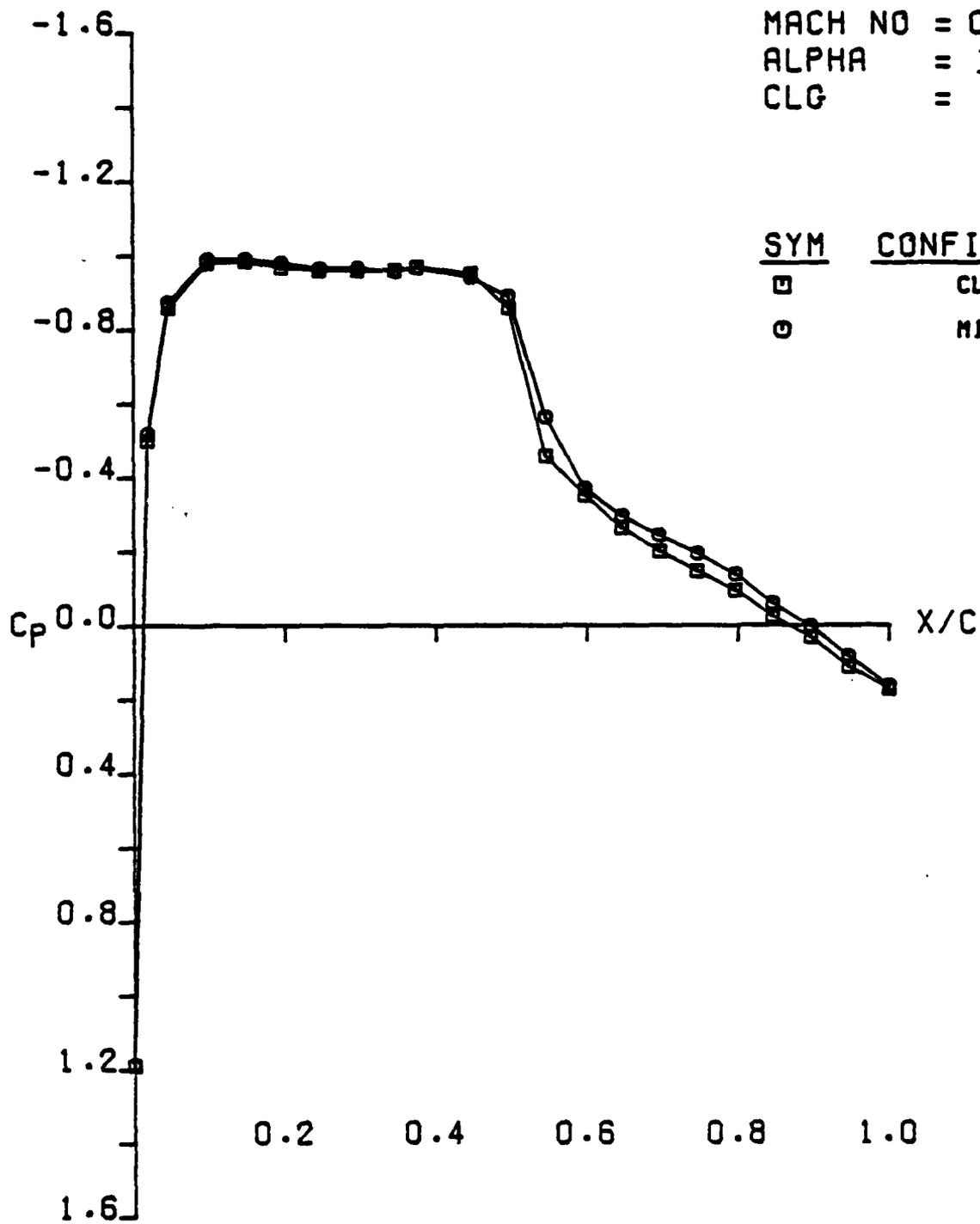


LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

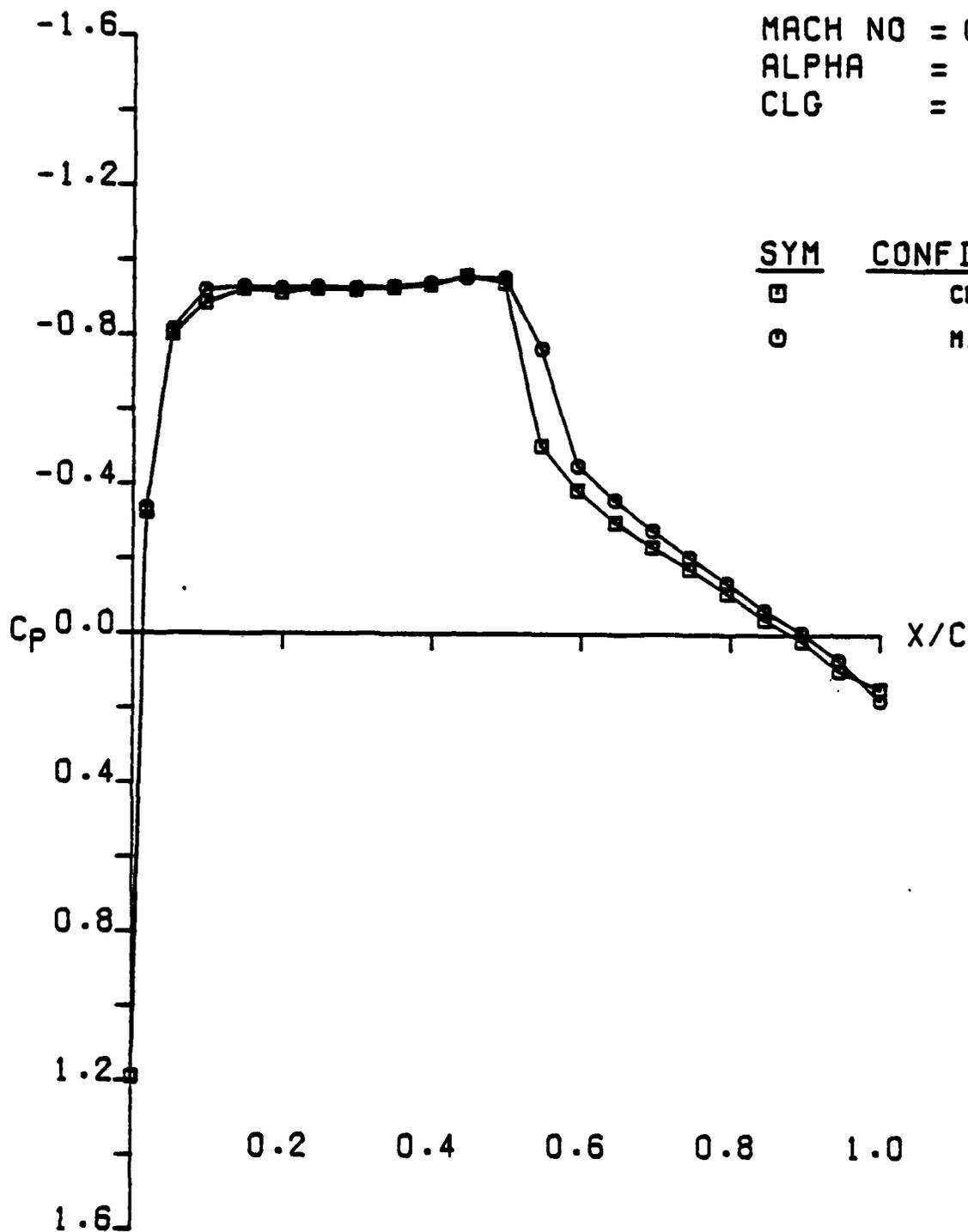
MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422



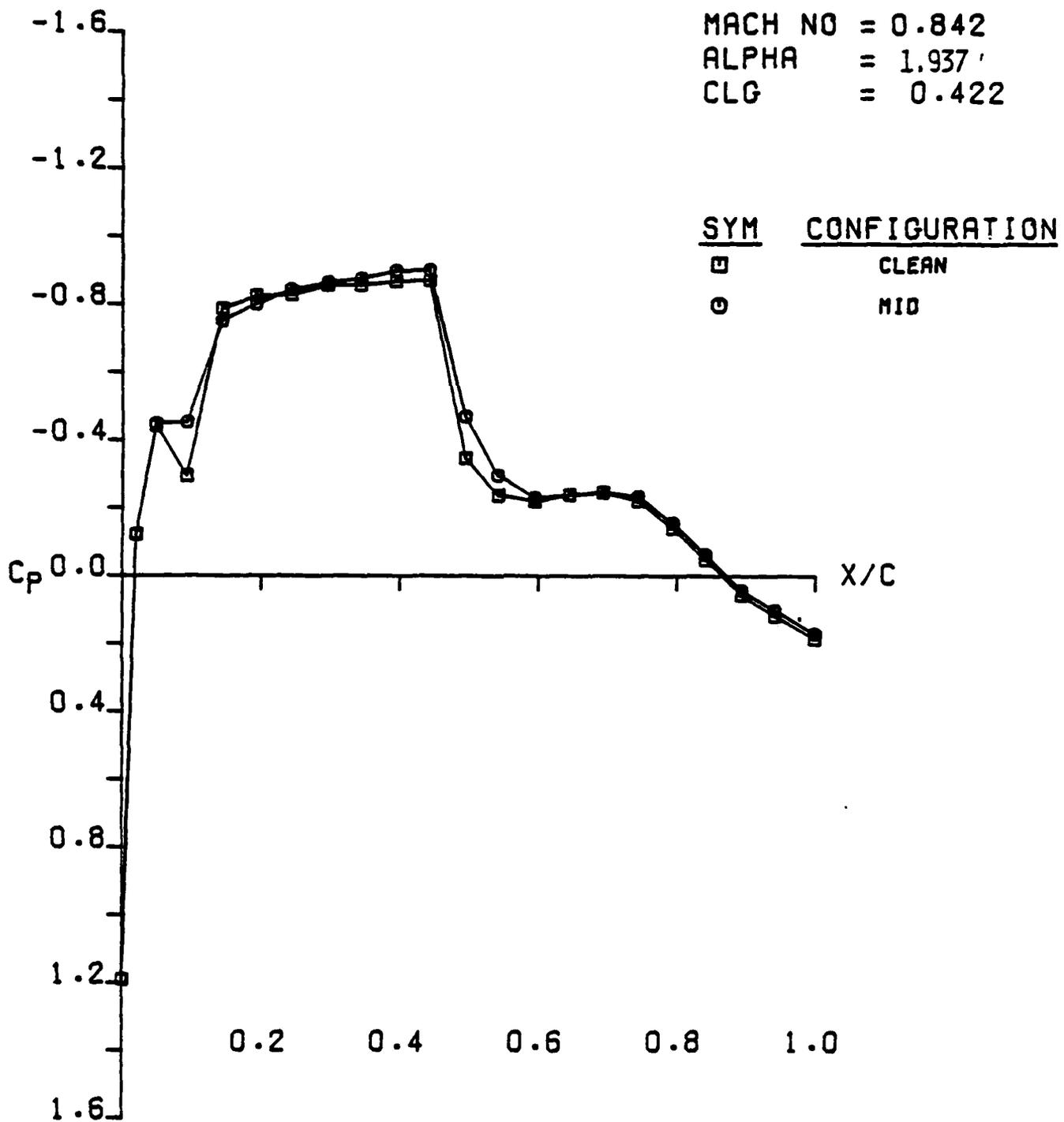
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



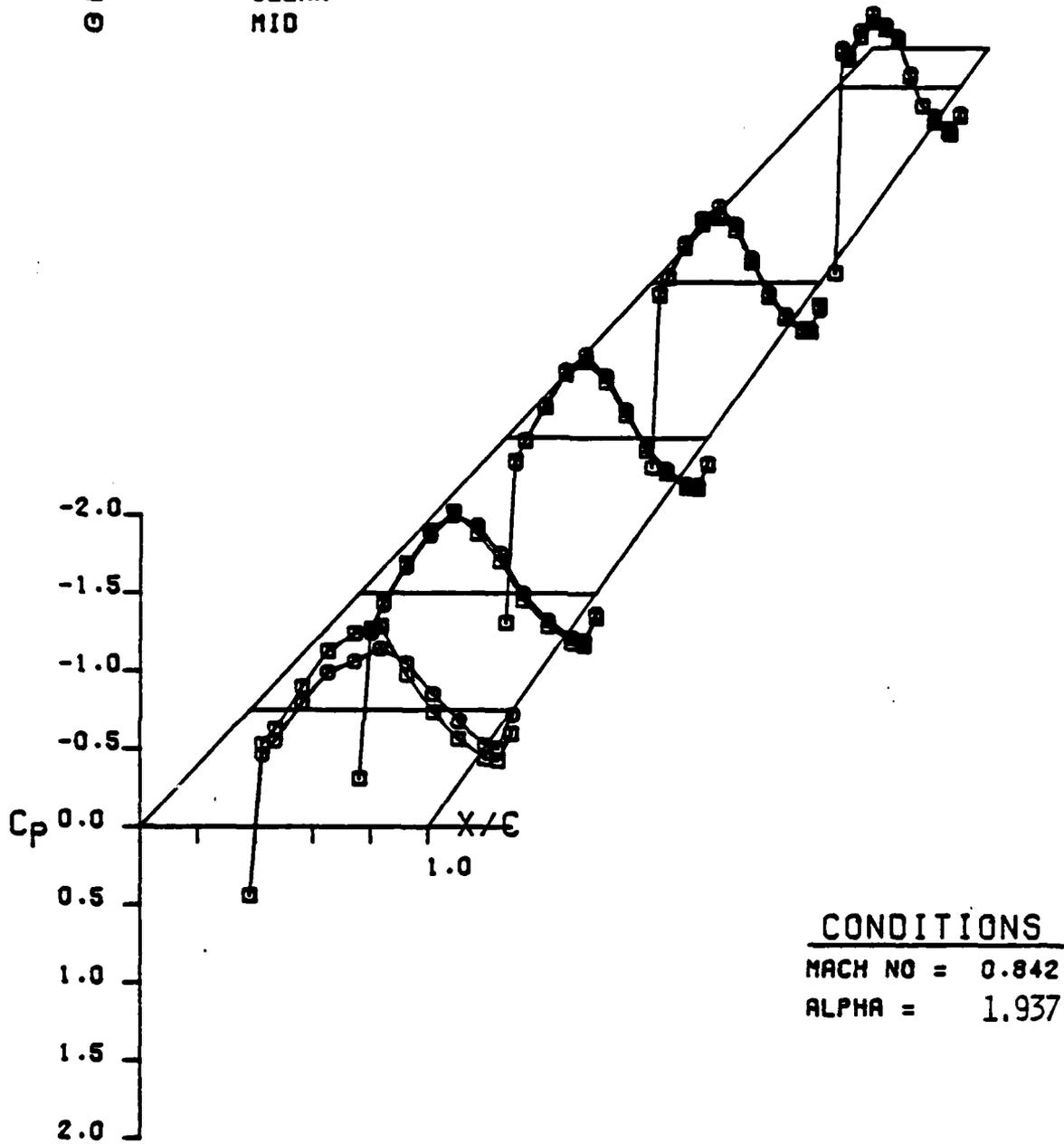
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



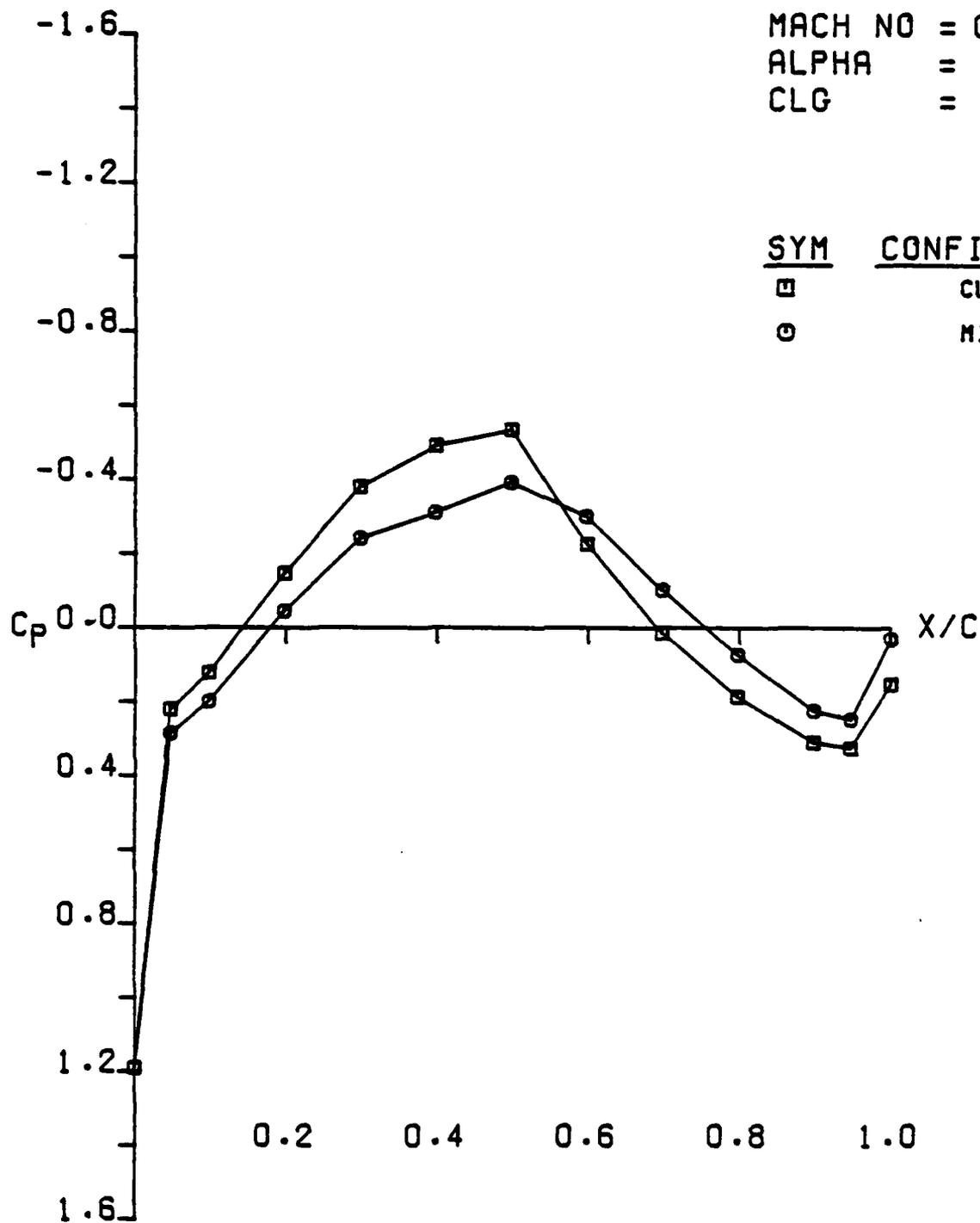
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ MID



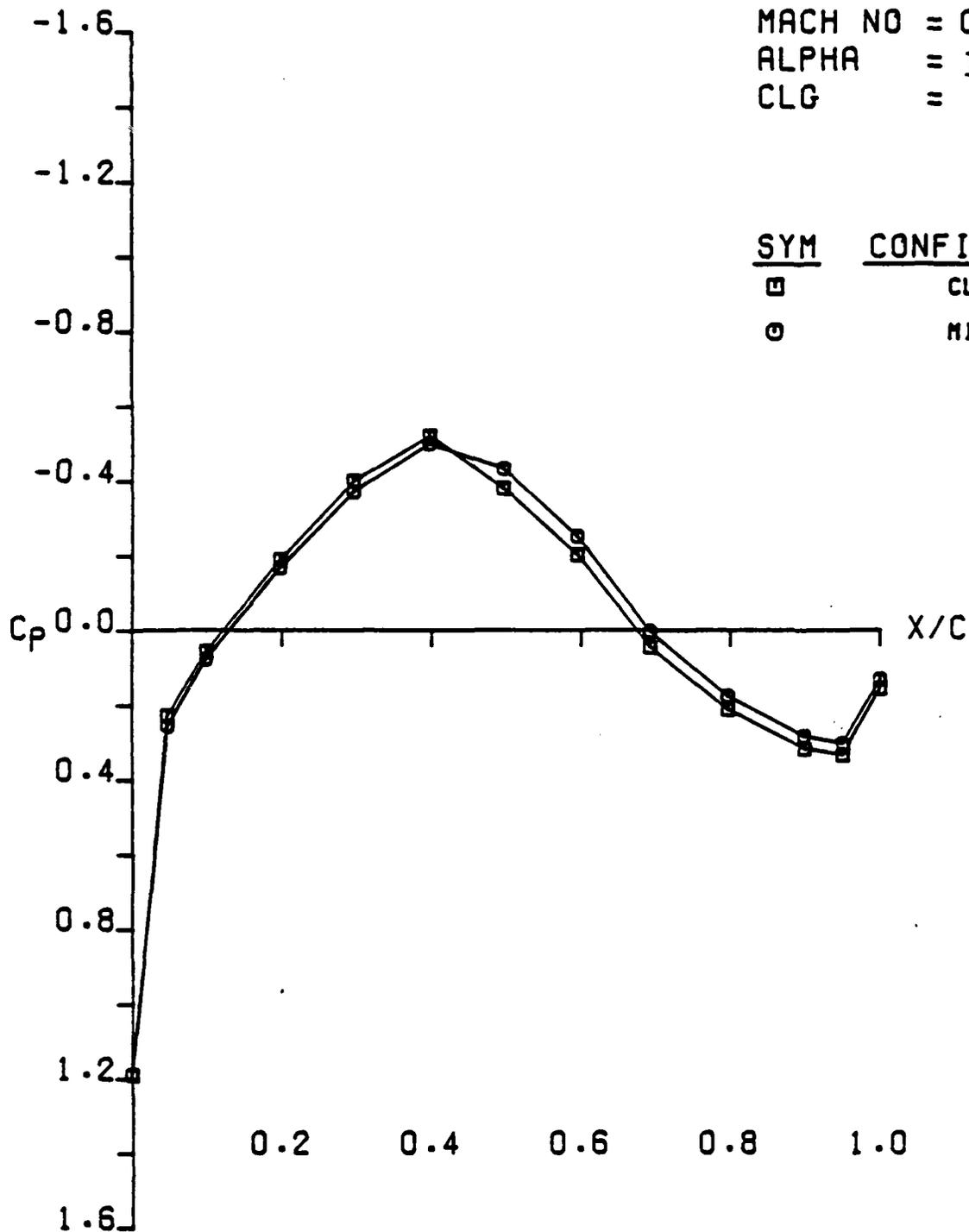
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (LWR SURF)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

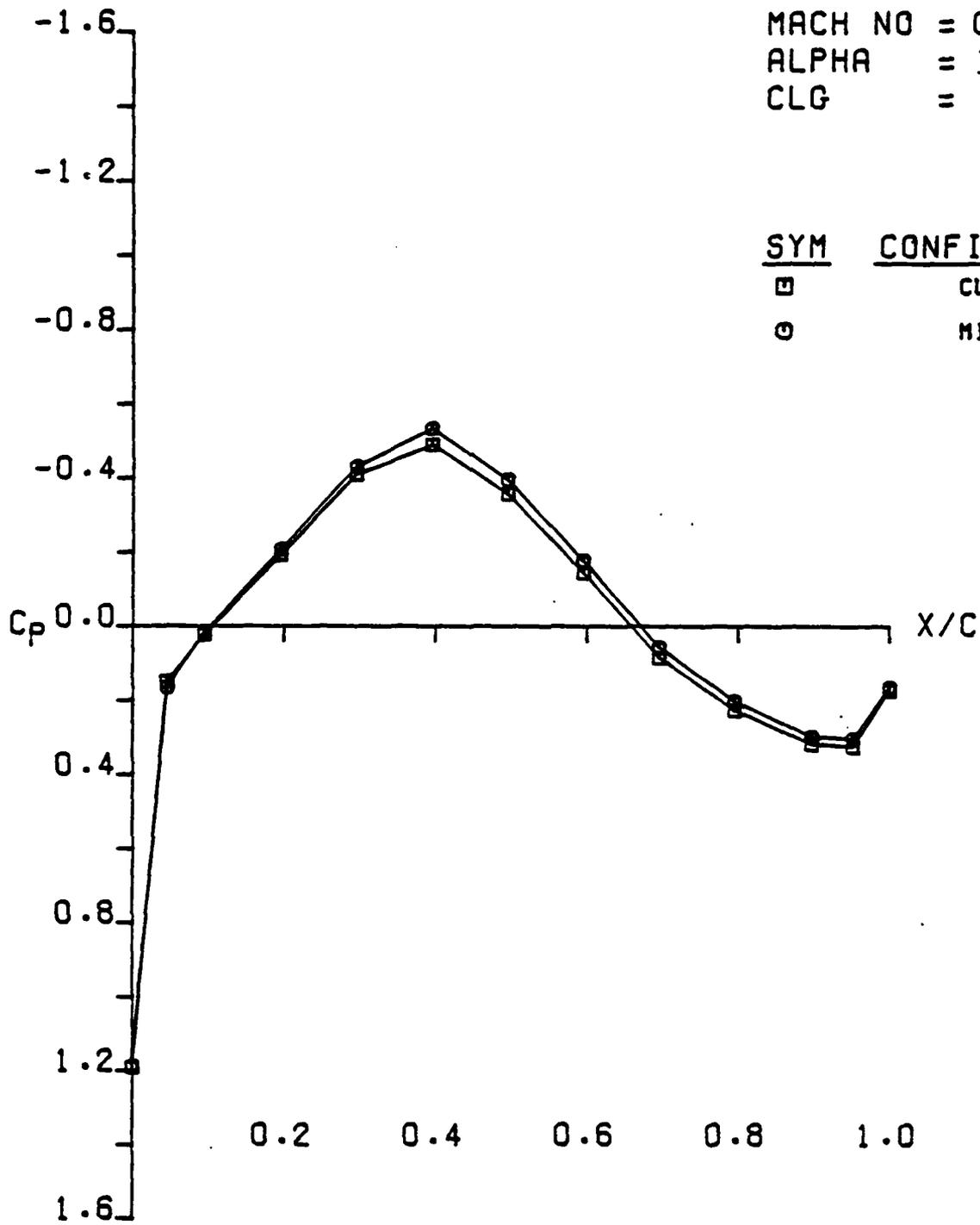
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



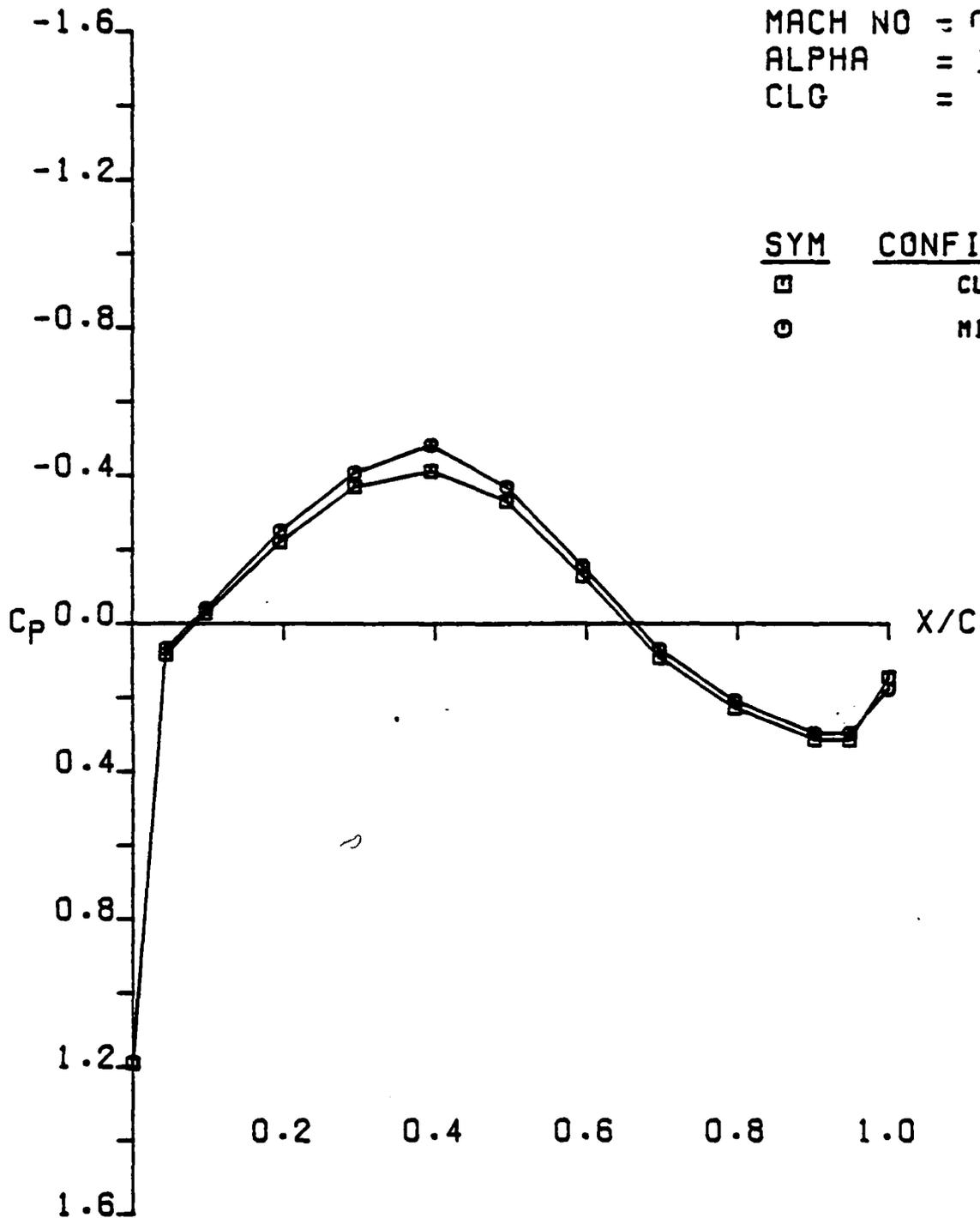
MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

SYM	CONFIGURATION
□	CLEAN
○	MID

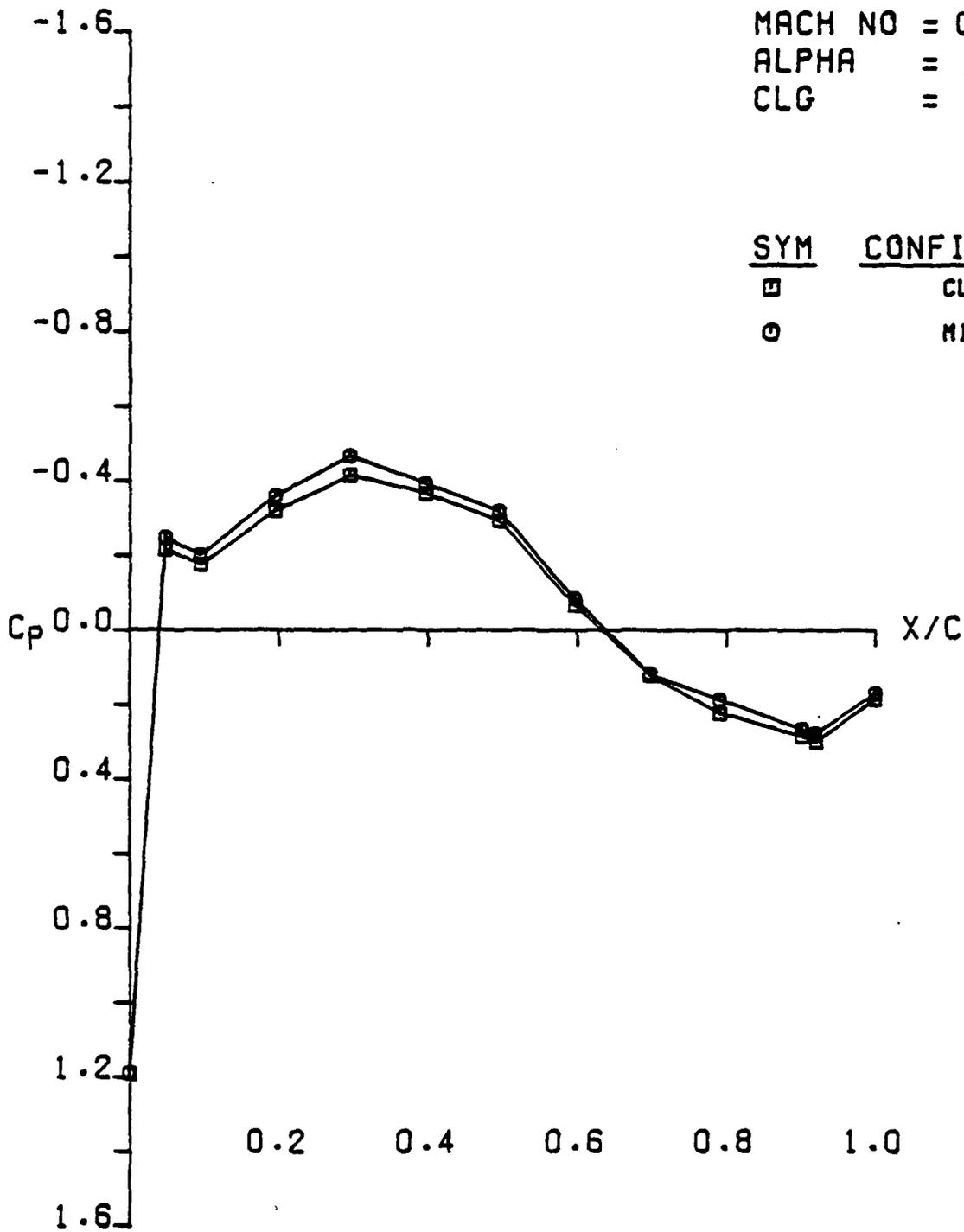
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



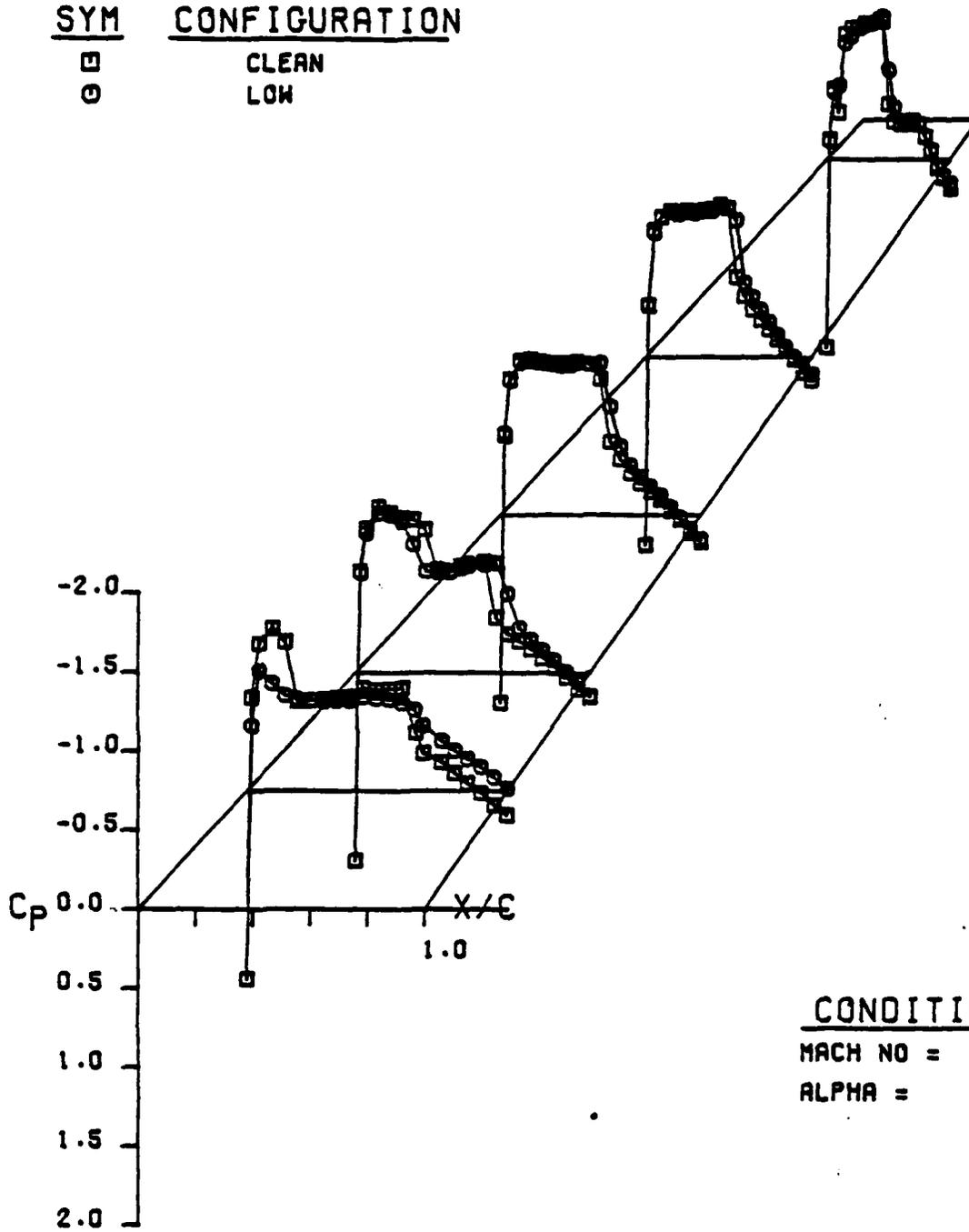
MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS MID (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

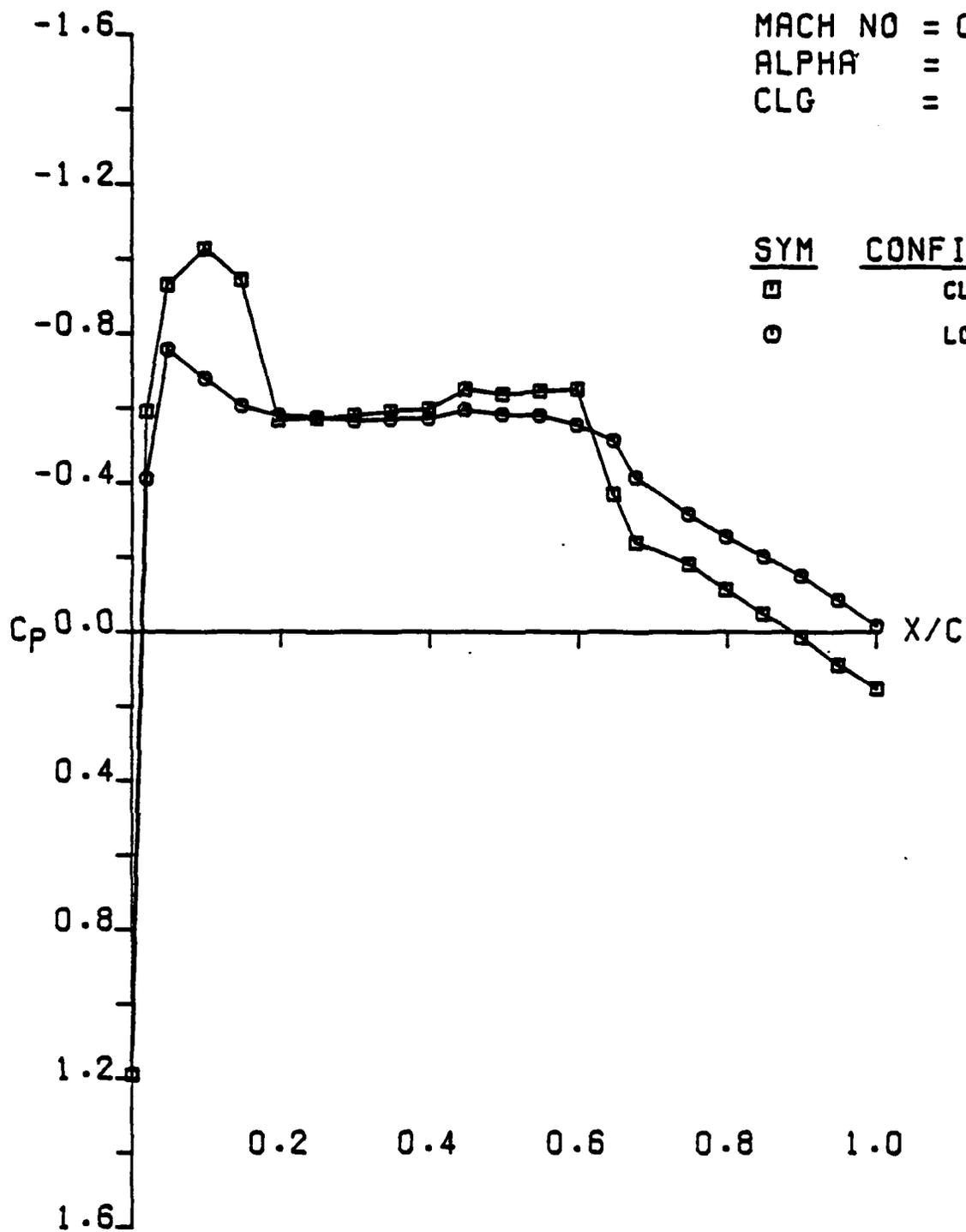
SYM CONFIGURATION

□ CLEAN
 ○ LOW



CONDITIONS
 MACH NO = 0.842
 ALPHA = 1.937

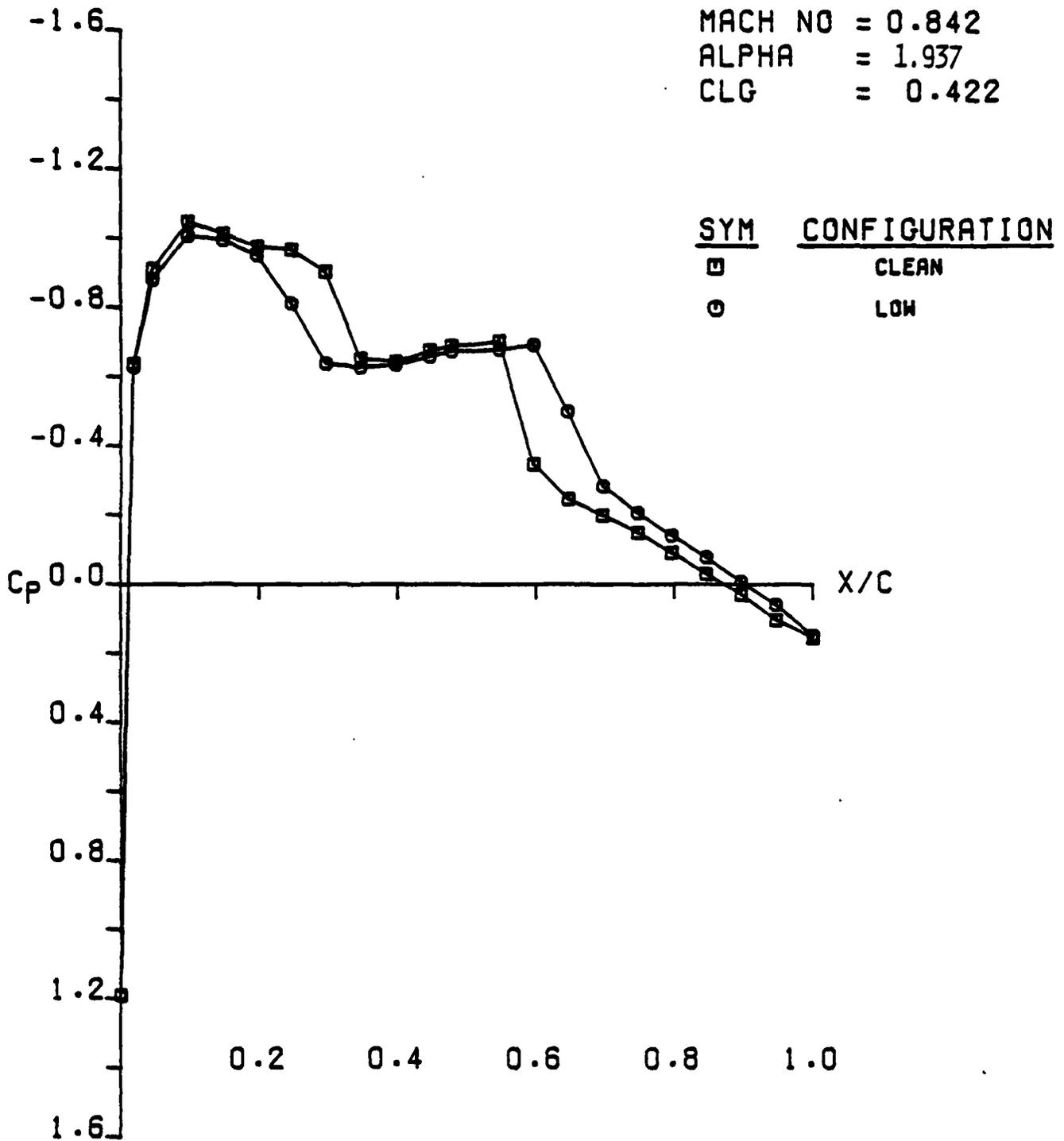
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (UPR SURF)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

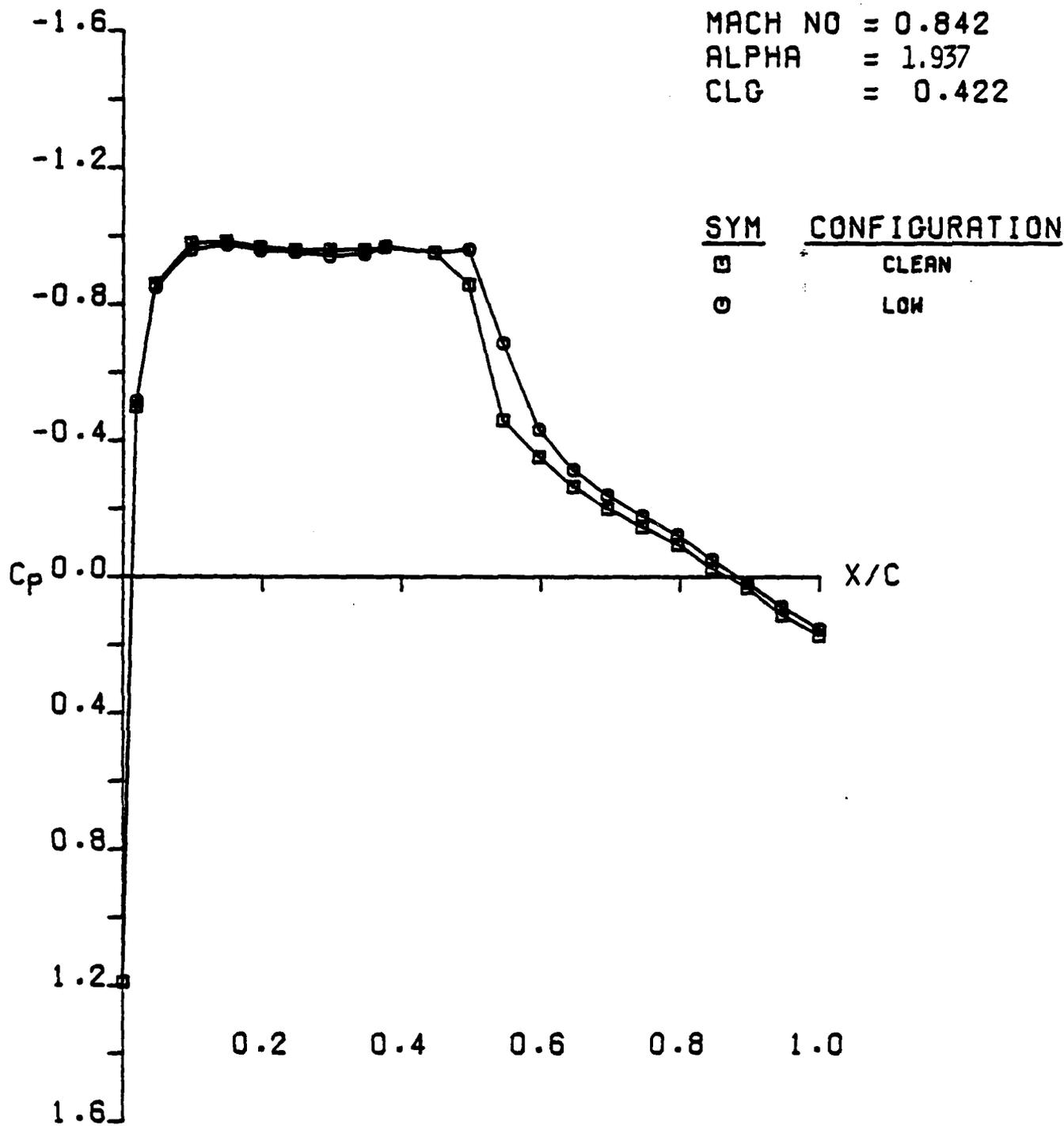
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

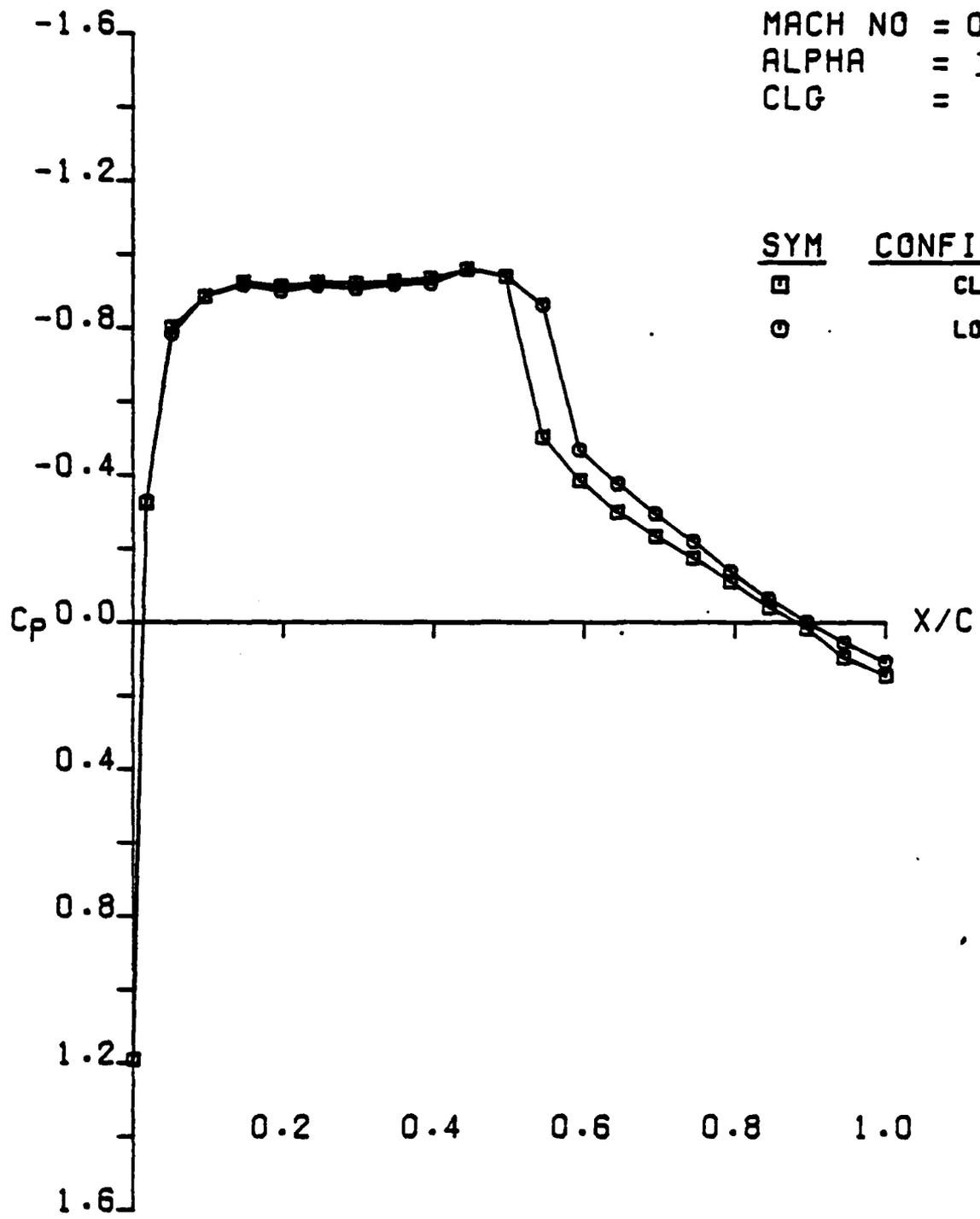


LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422



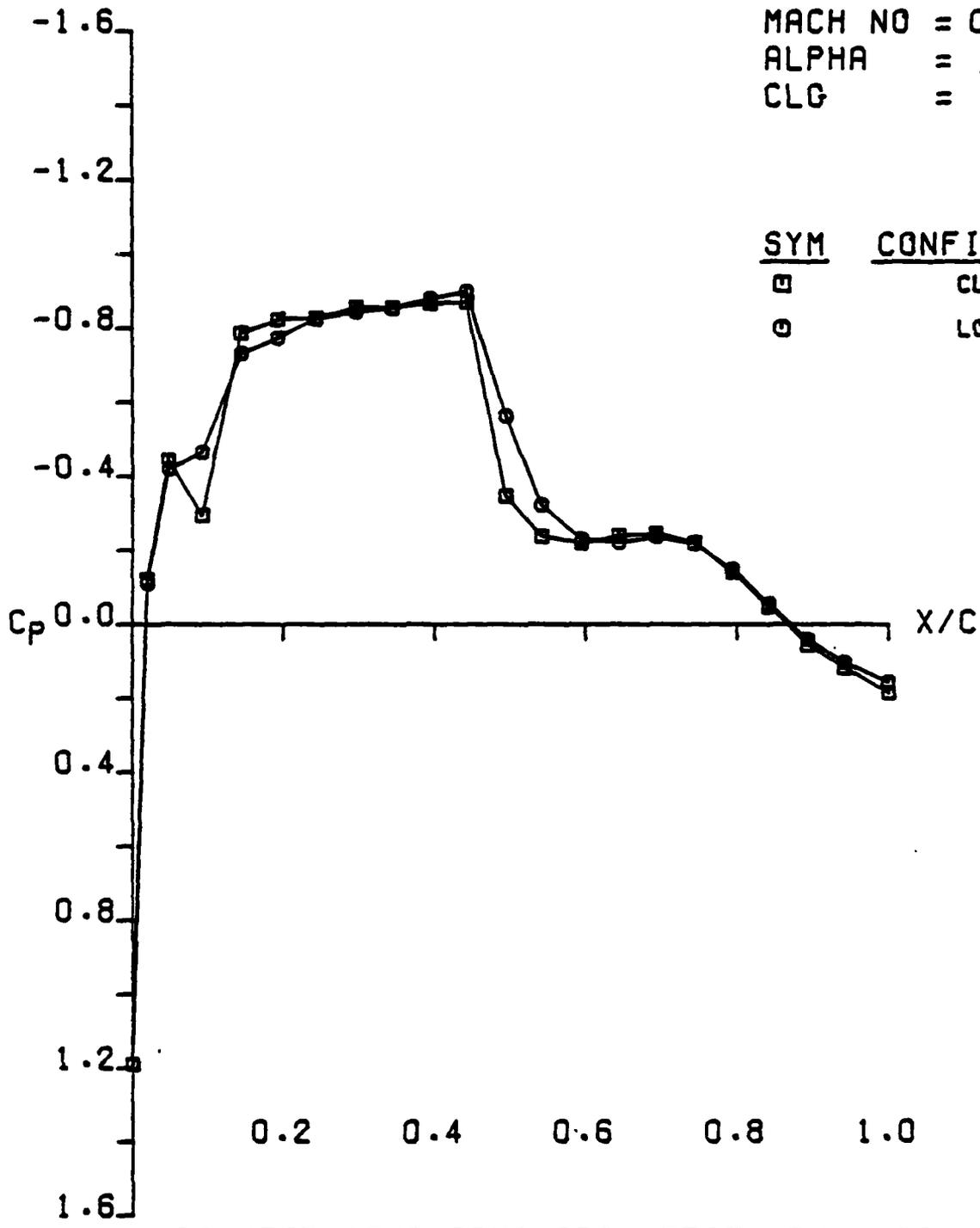
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



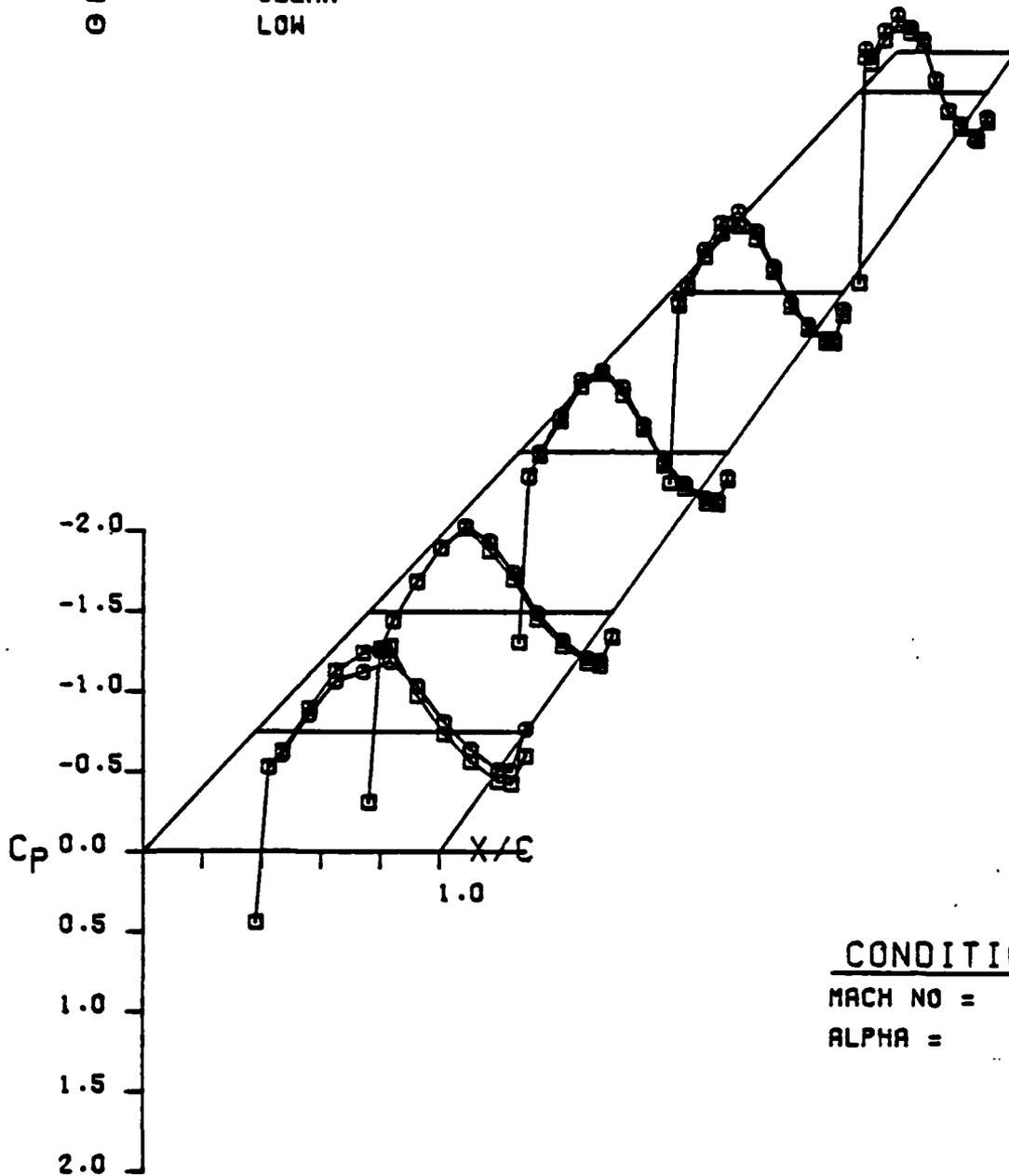
MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

SYM CONFIGURATION
 □ CLEAN
 ○ LOW

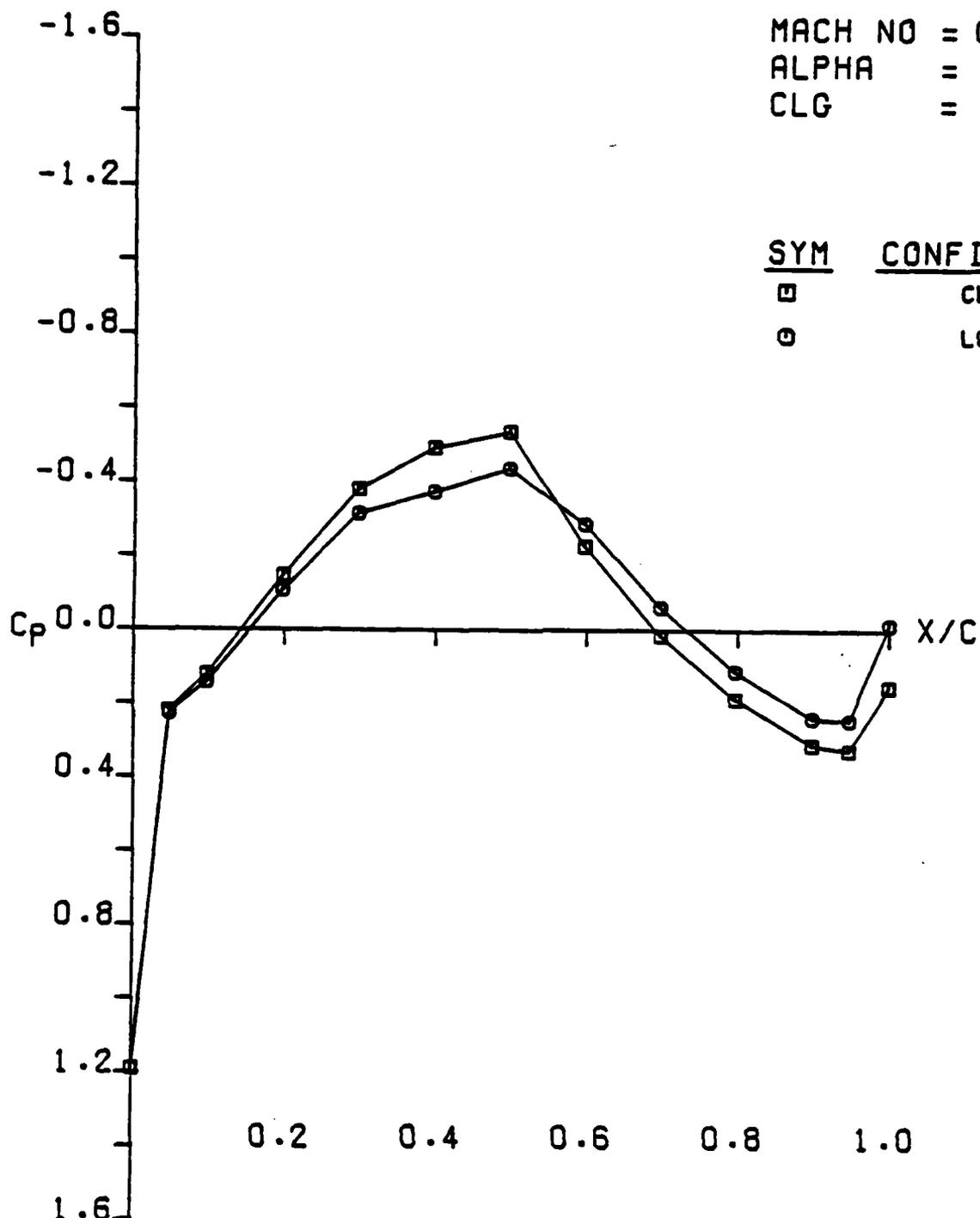
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ LOW



LOCKHEED CFWT SEMI-SPAN TEST. RUN 38
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL A

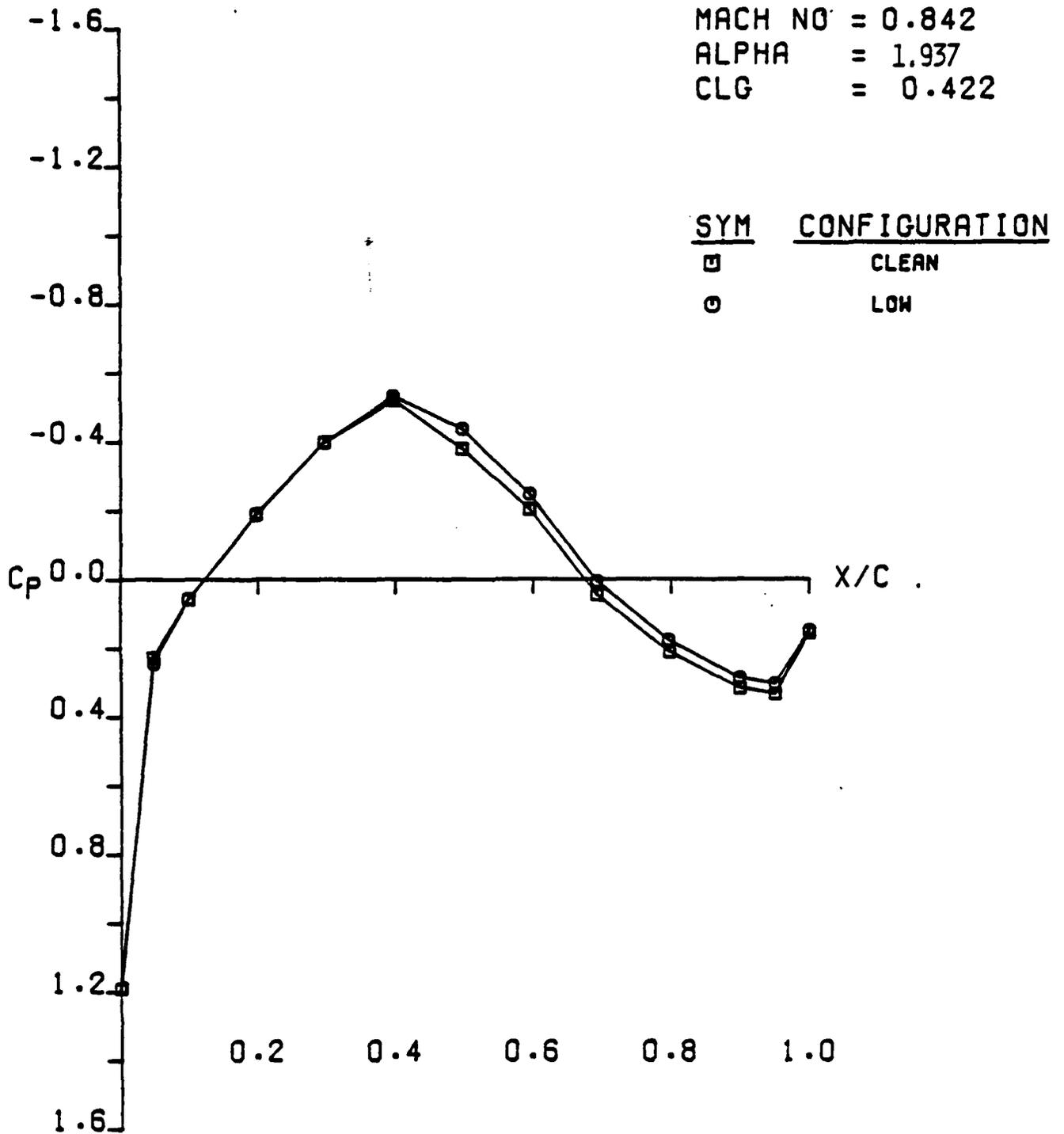


MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

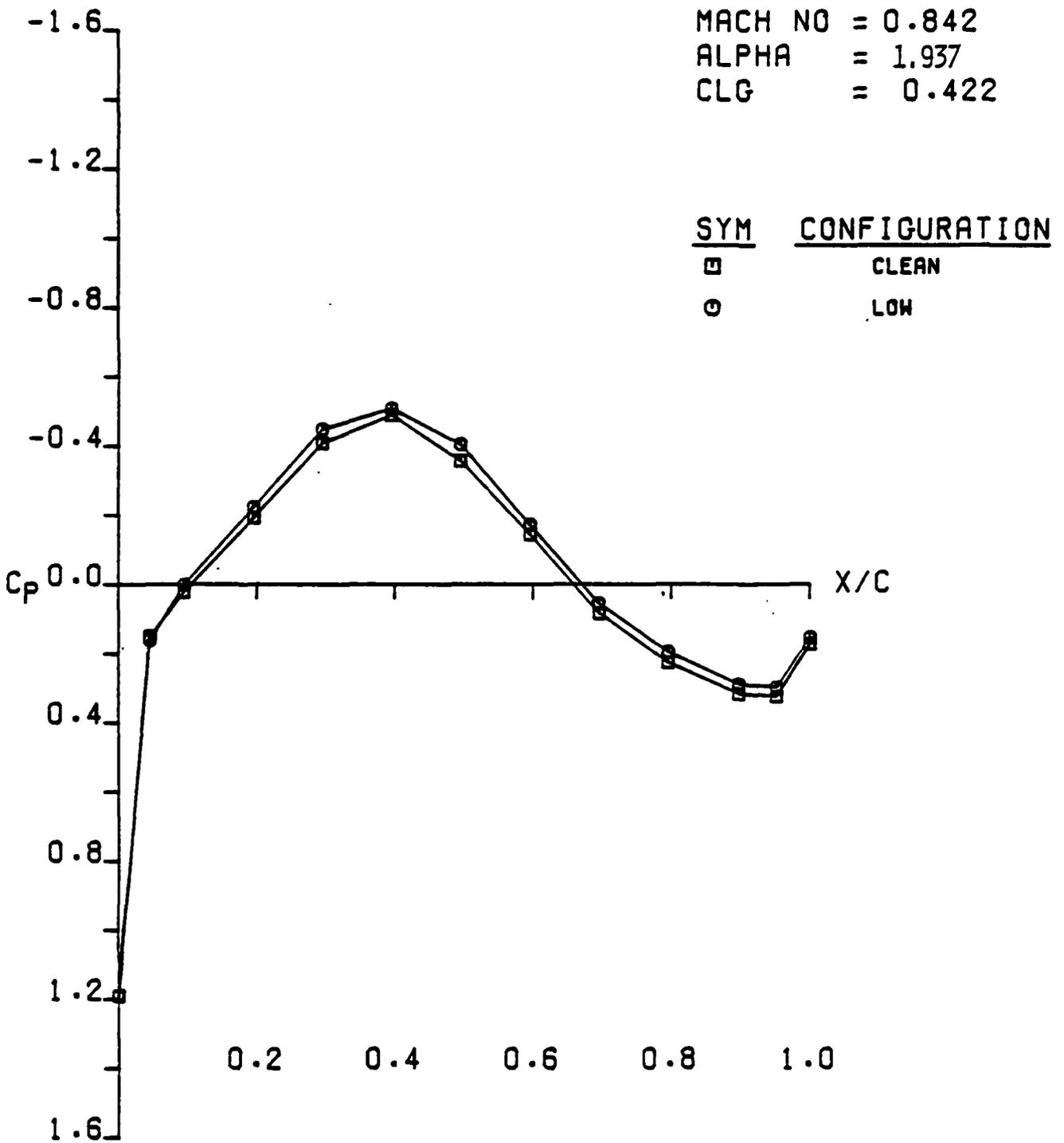
LOCKHEED-CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.842
ALPHA = 1.937
CLG = 0.422

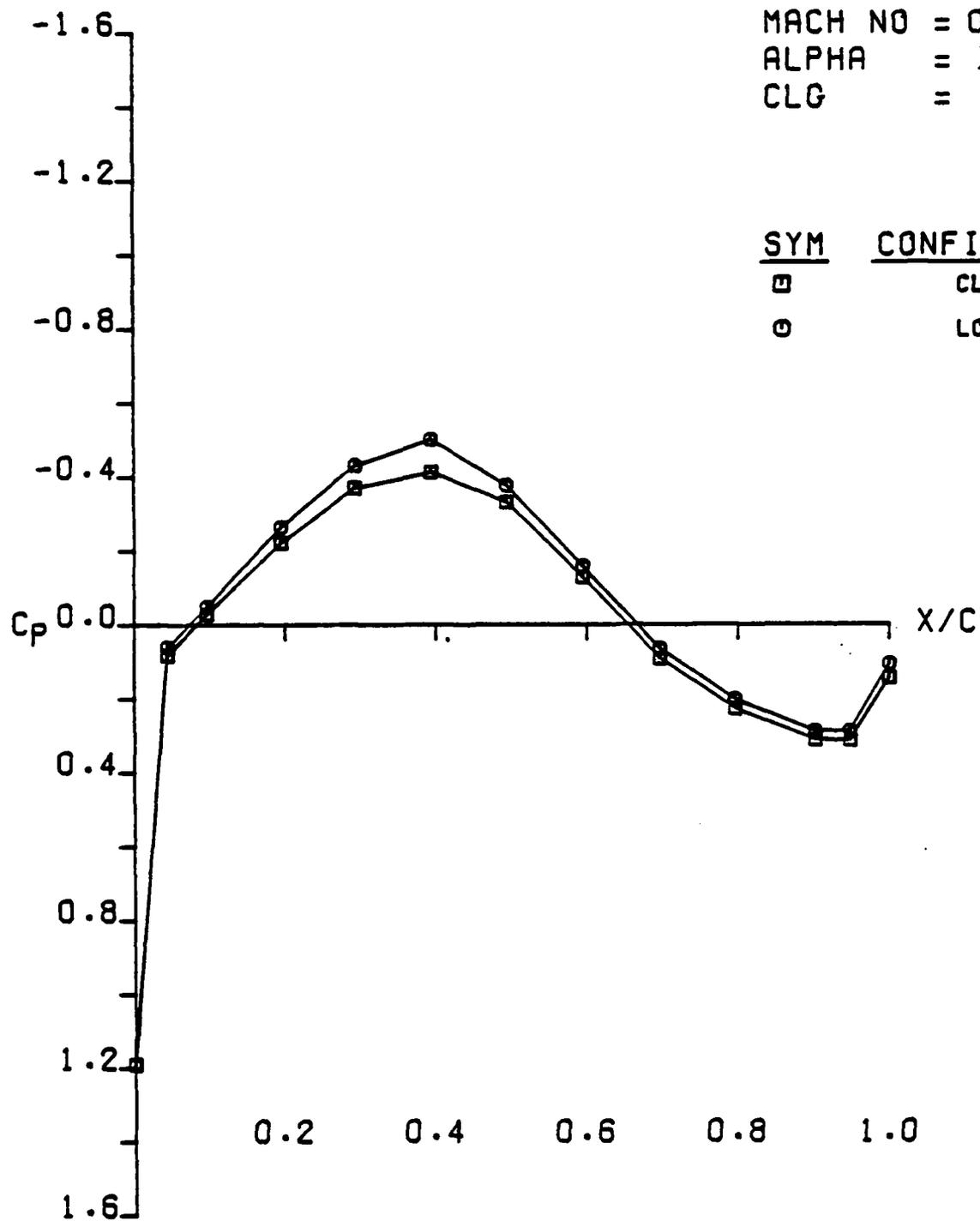


LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS LOW (LWR SURF ETA .30)
AFOSR SEMISPAN MODEL A

MACH NO = 0.842
ALPHA = 1.937
CLG = 0.422



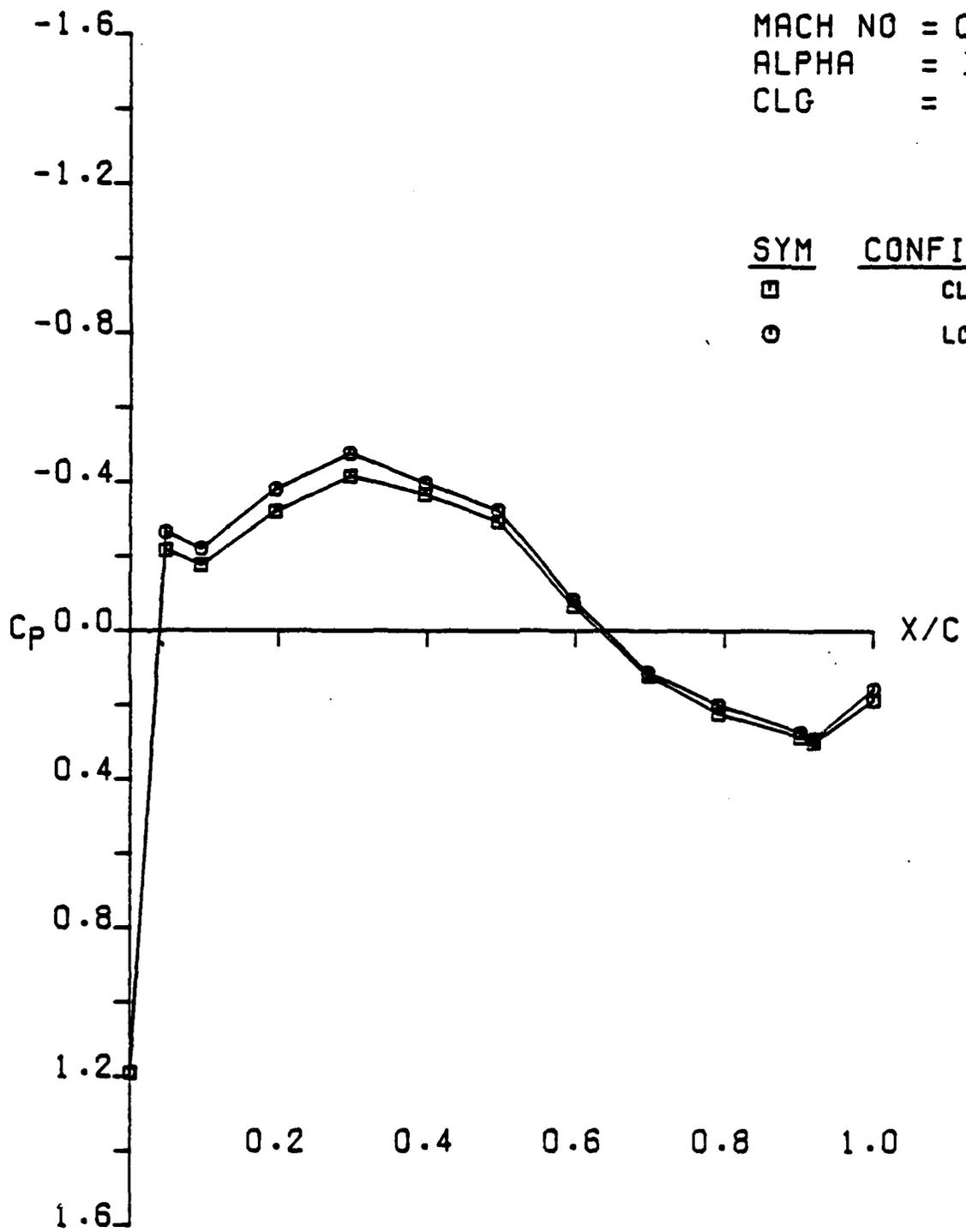
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
CLN VS LOW (LWR SURF ETA .50)
AFOSR SEMISPAN MODEL A



MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



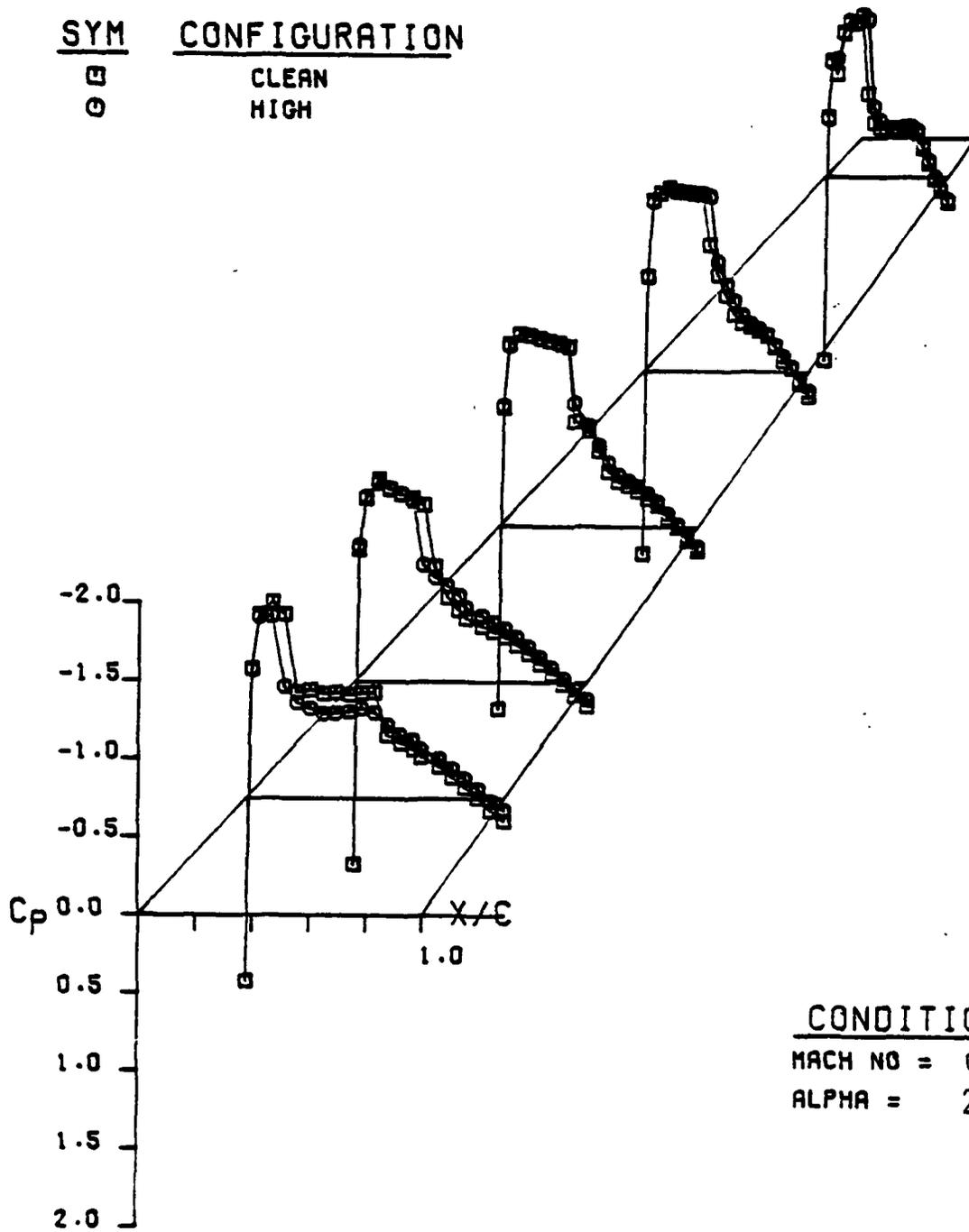
MACH NO = 0.842
 ALPHA = 1.937
 CLG = 0.422

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 CLN VS LOW (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

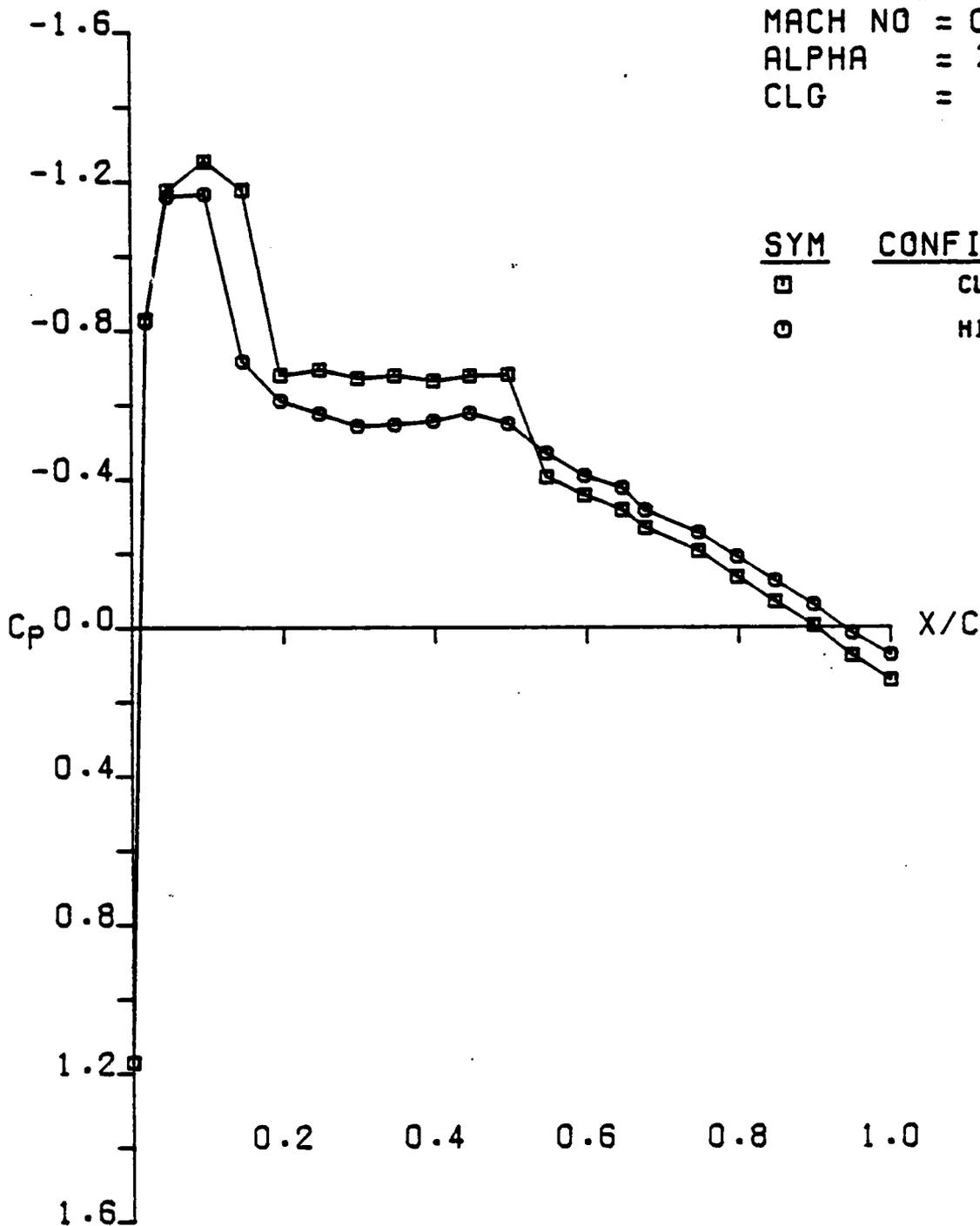
□ CLEAN
 ○ HIGH



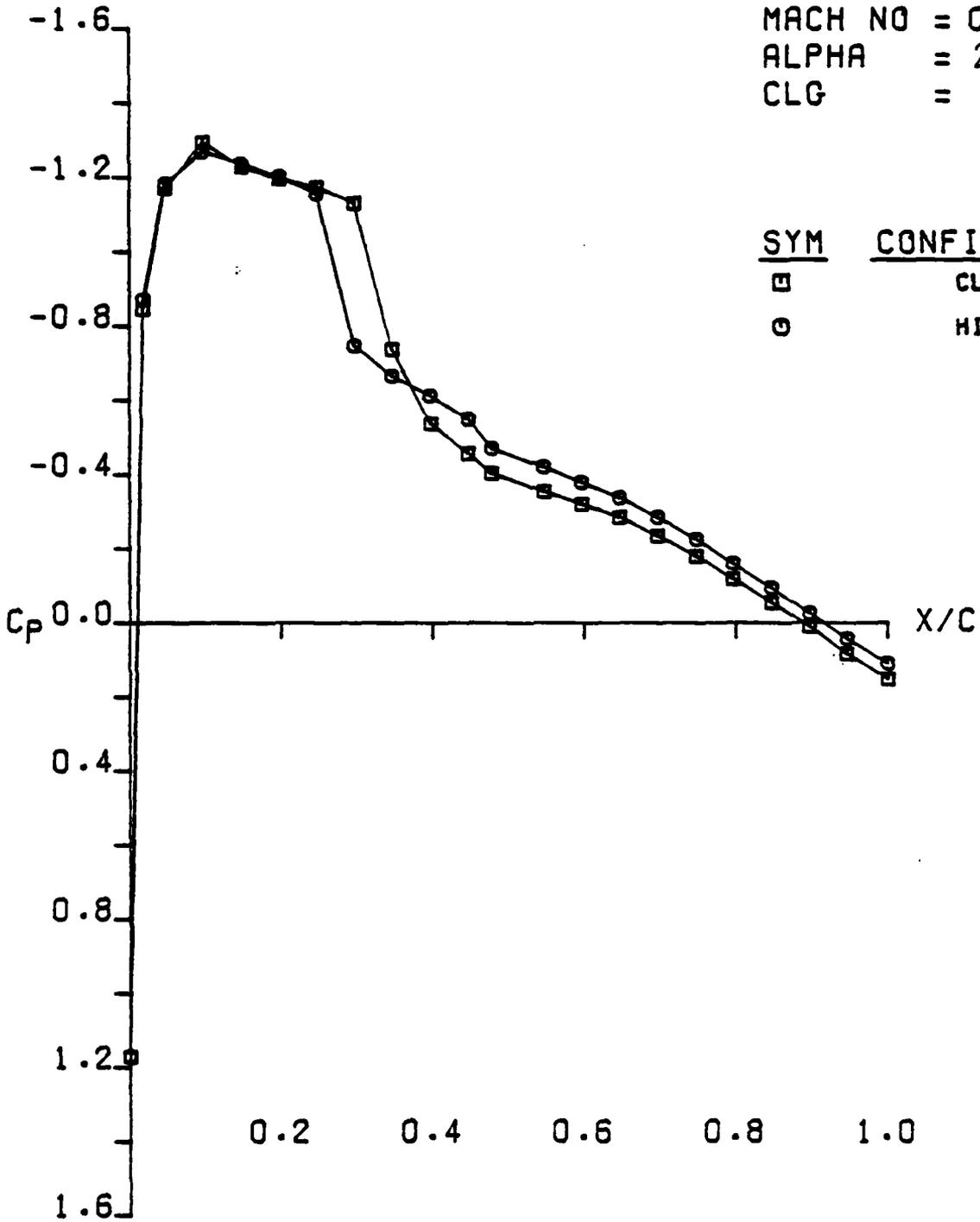
CONDITIONS

MACH NO = 0.801
 ALPHA = 2.941

LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLEAN VS HIGH (UPR SURF)
 AFCSR SEMISPAN MODEL A

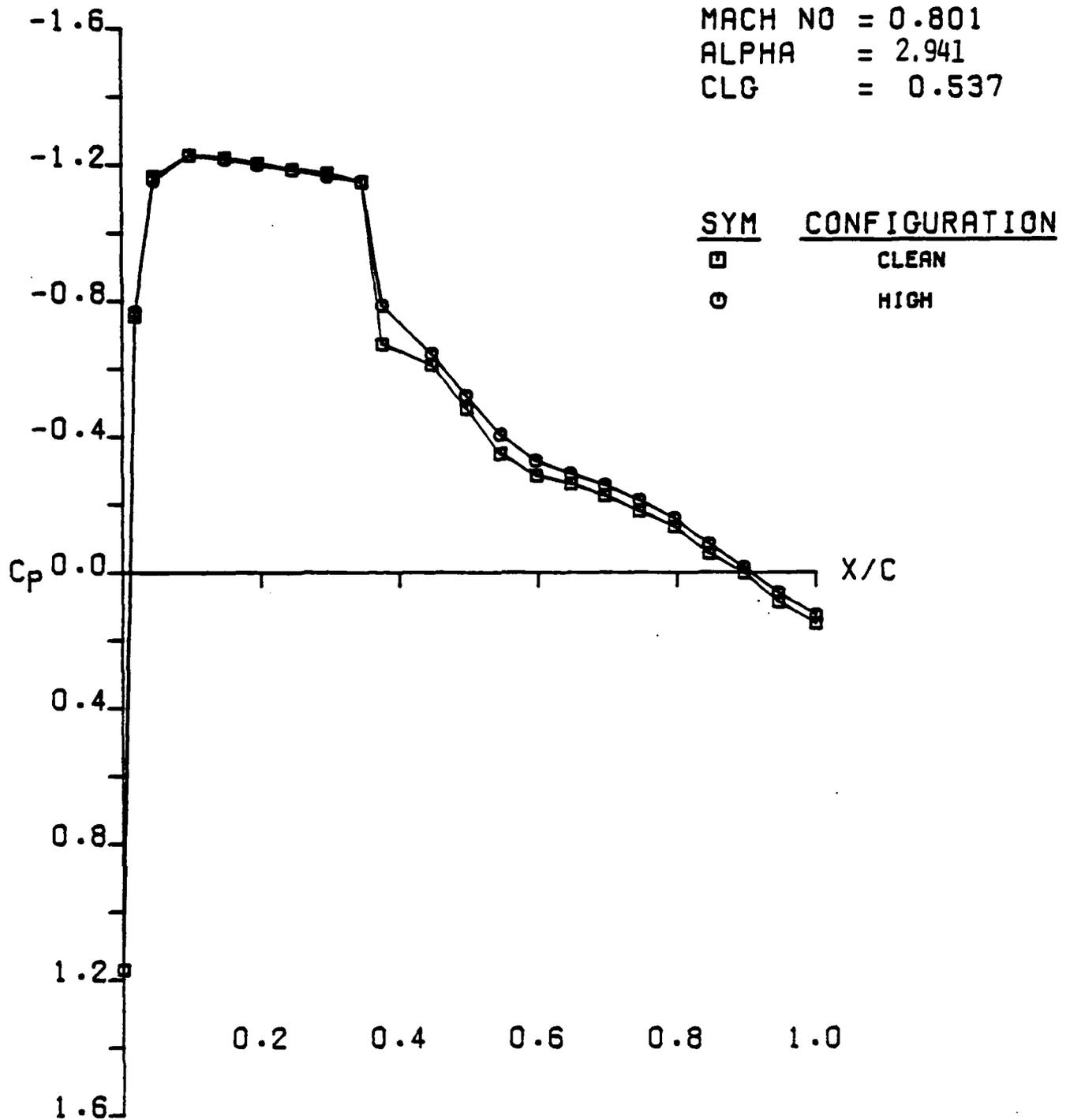


LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

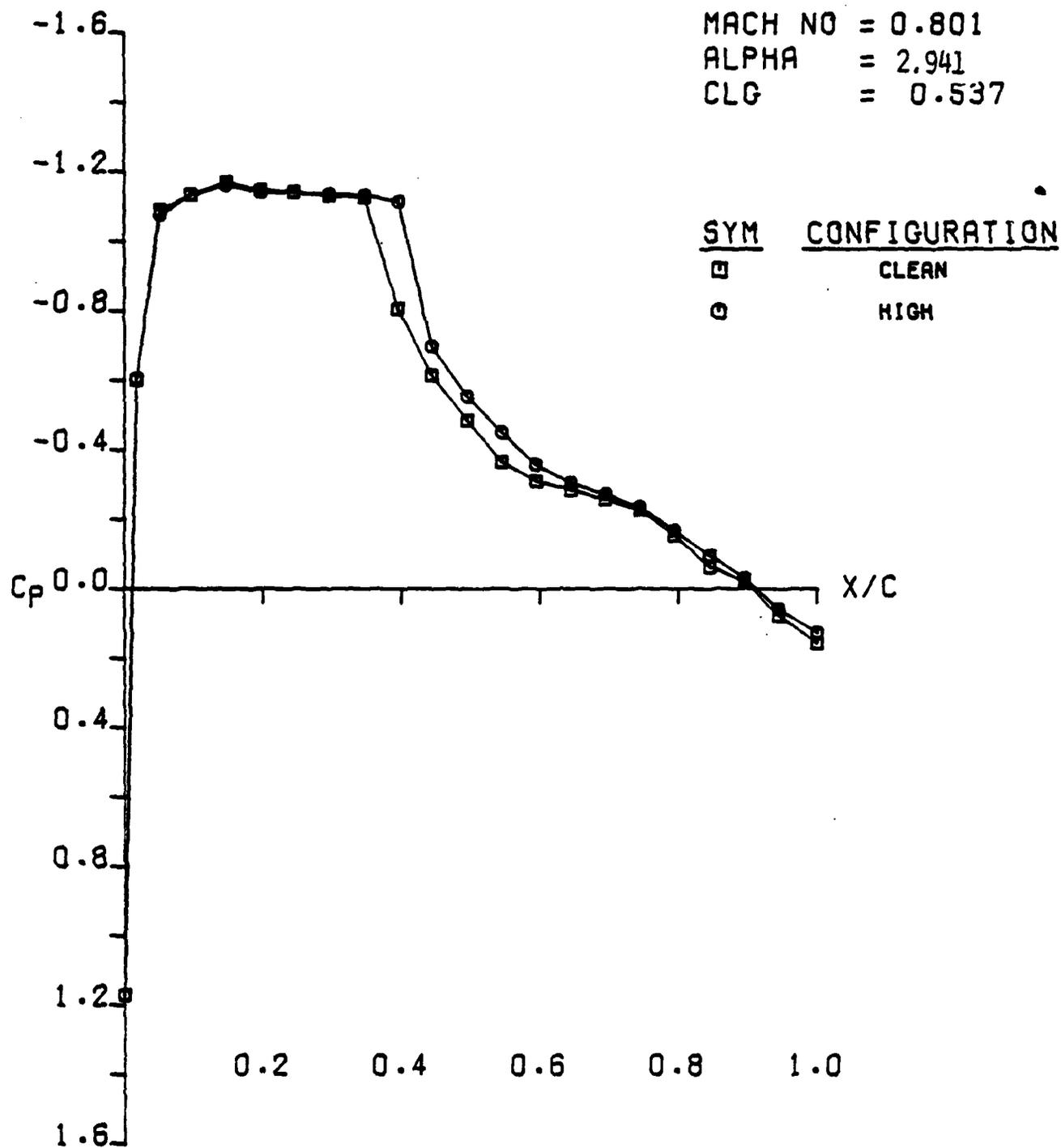


LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

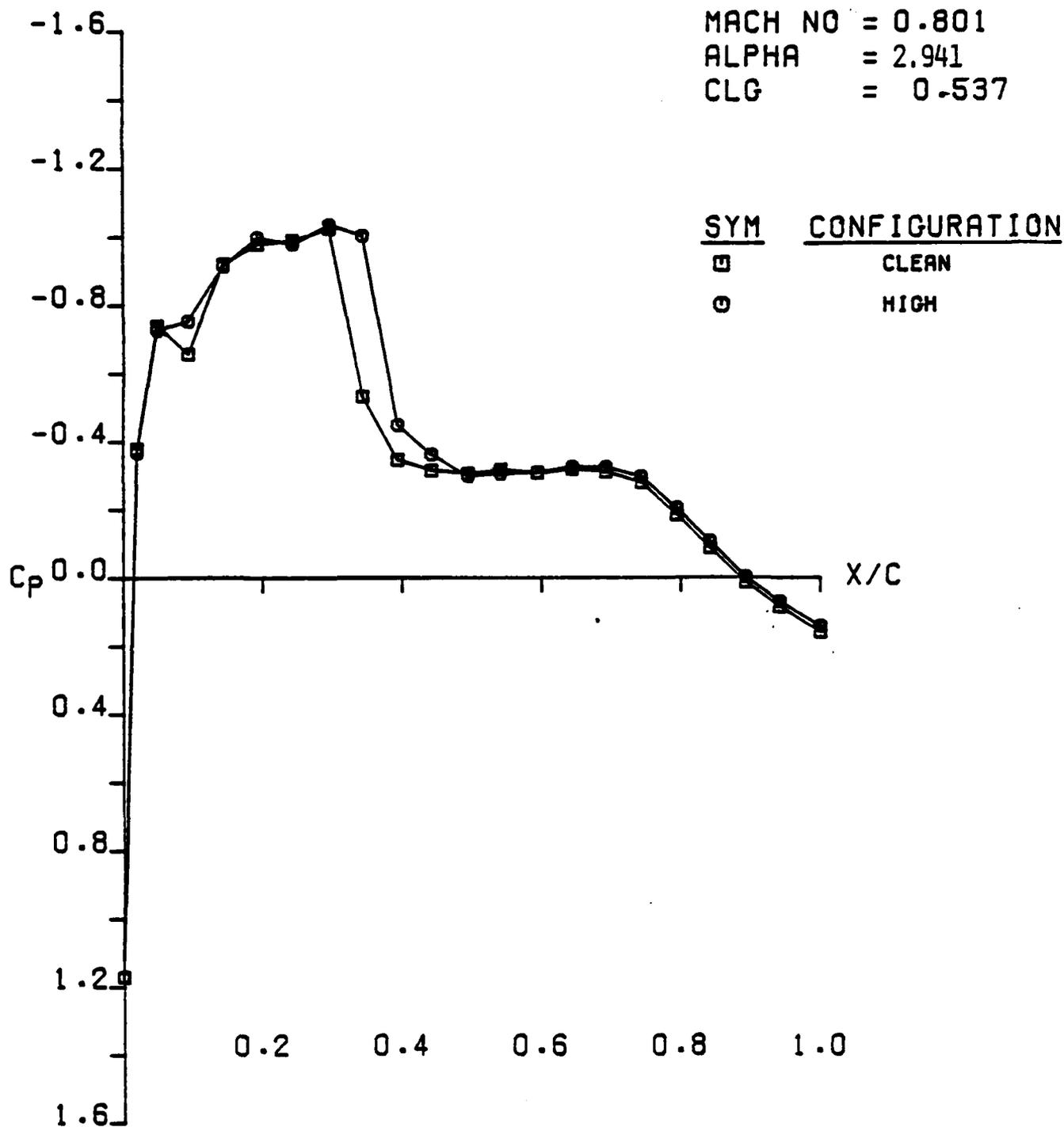
MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



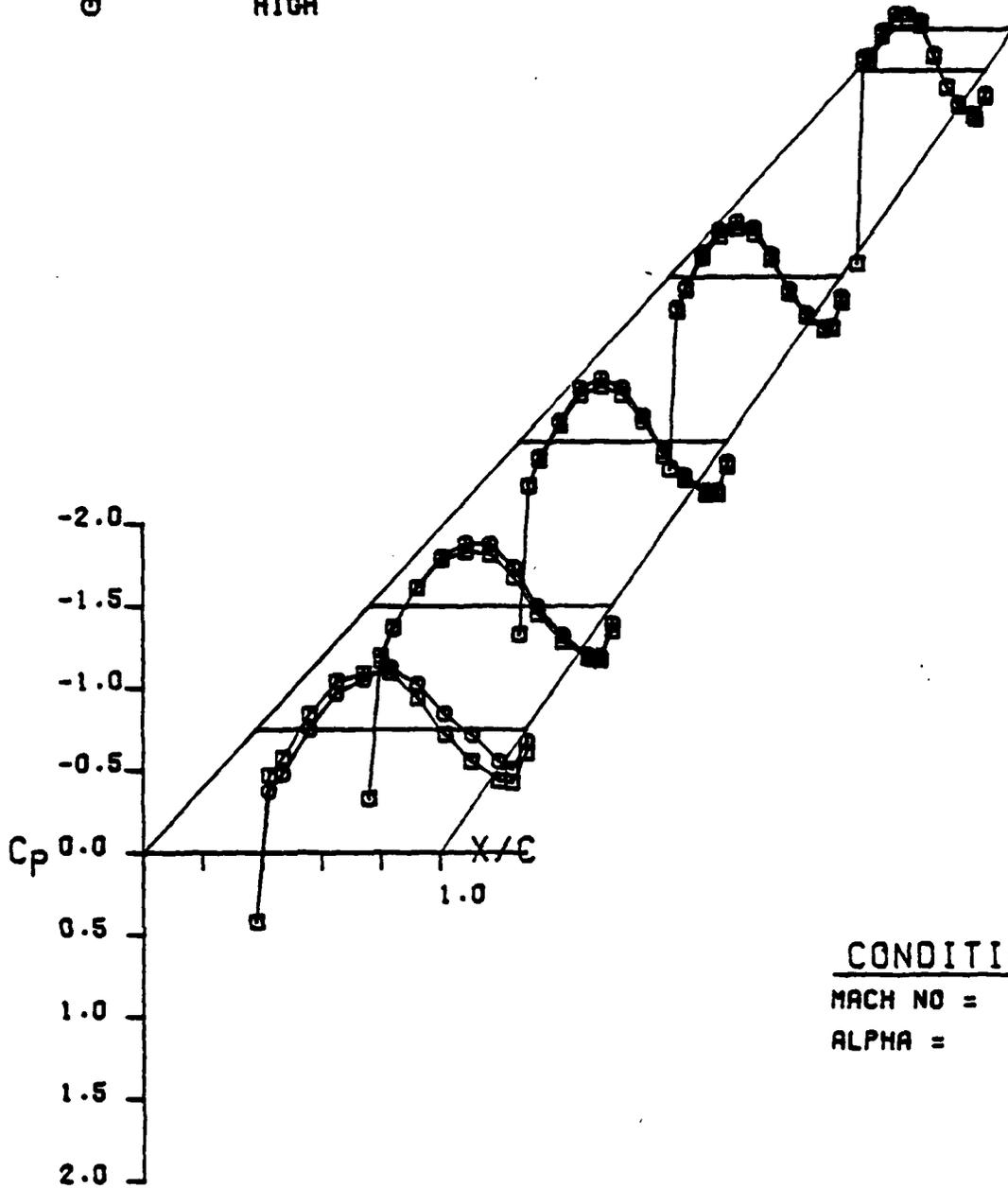
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ HIGH

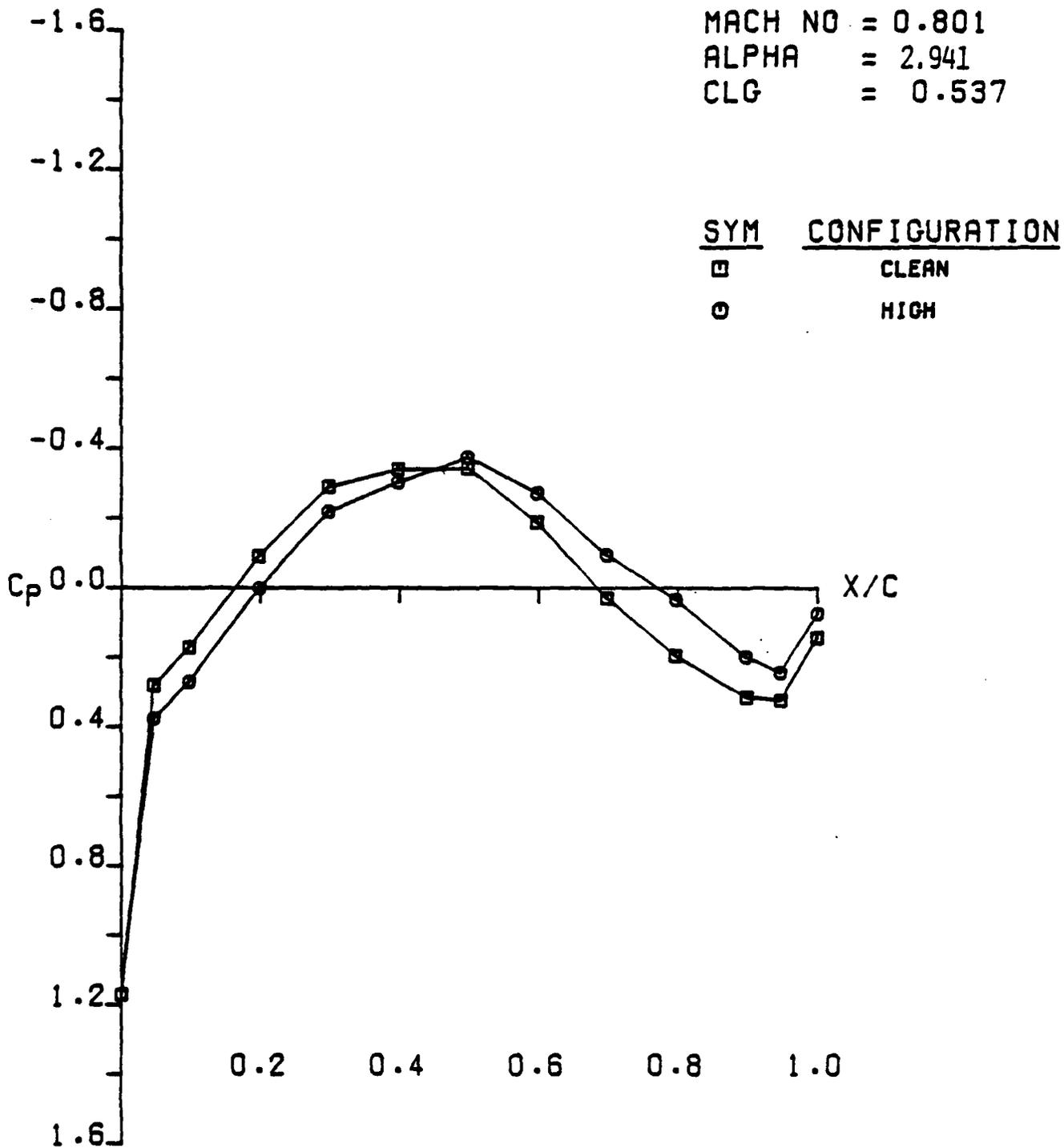


CONDITIONS

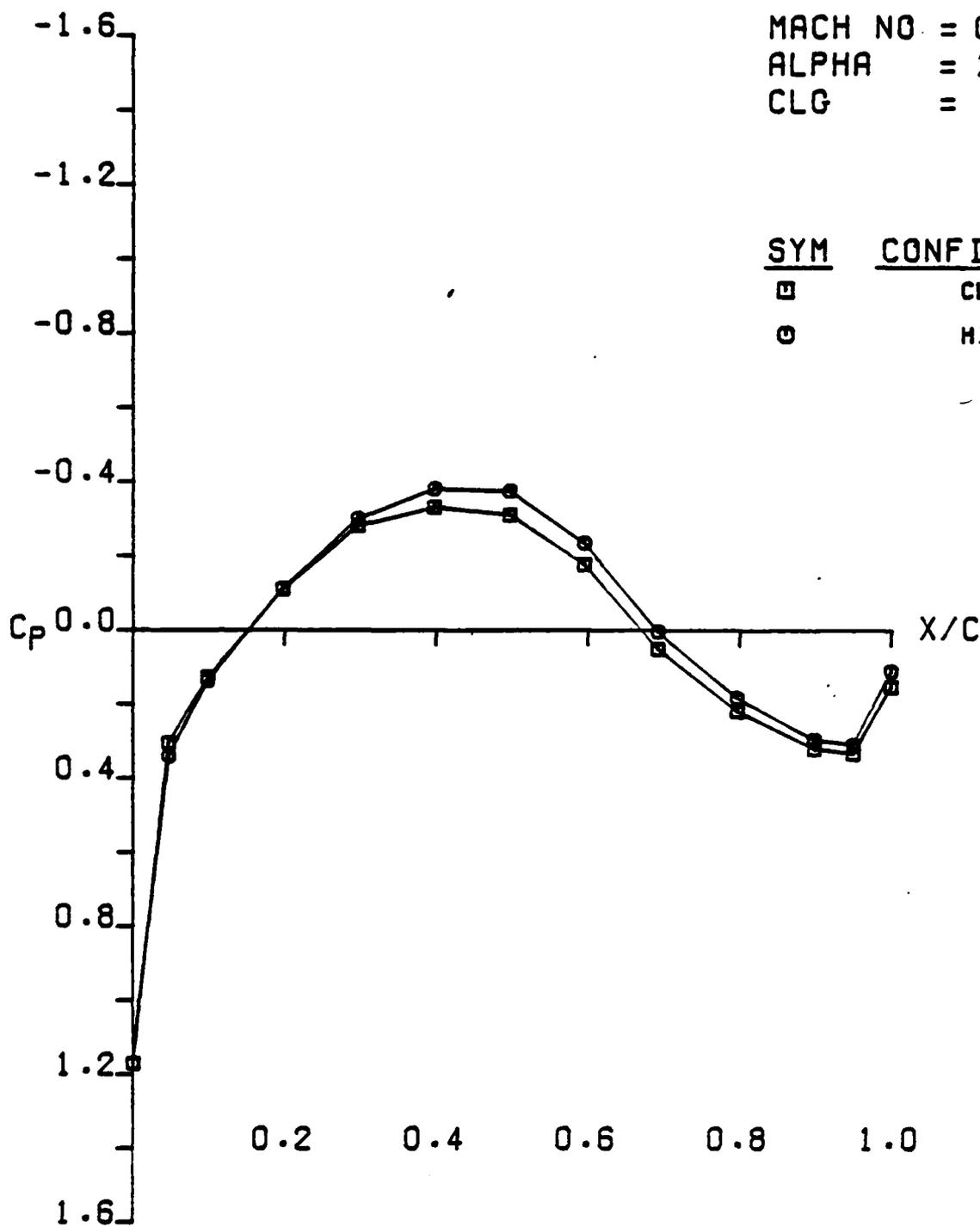
MACH NO = 0.801
 ALPHA = 2.941

LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (LWR SURF)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.801
ALPHA = 2.941
CLG = 0.537



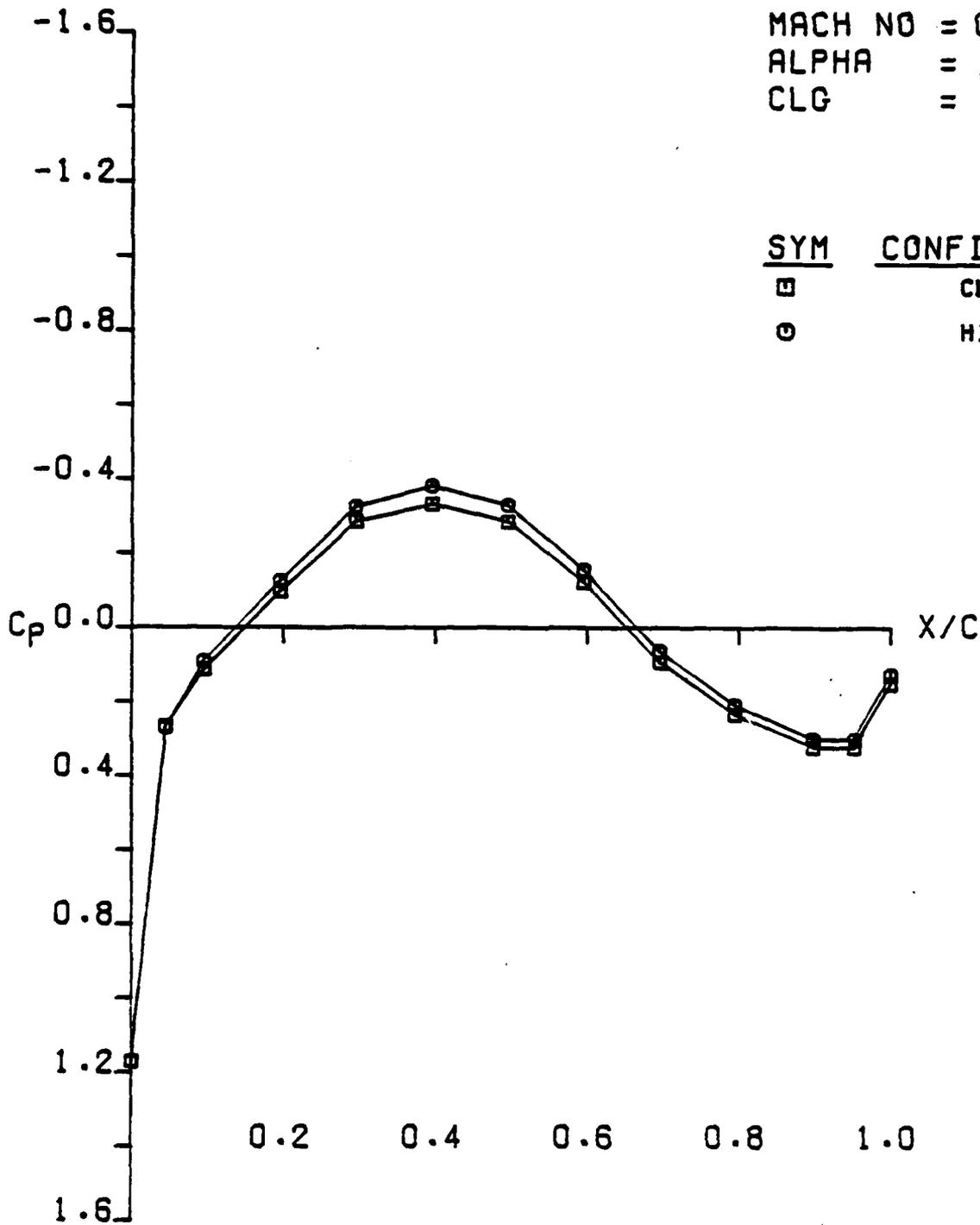
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS HIGH (LWR SURF ETA .15)
AFOSR SEMISPAN MODEL A



MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

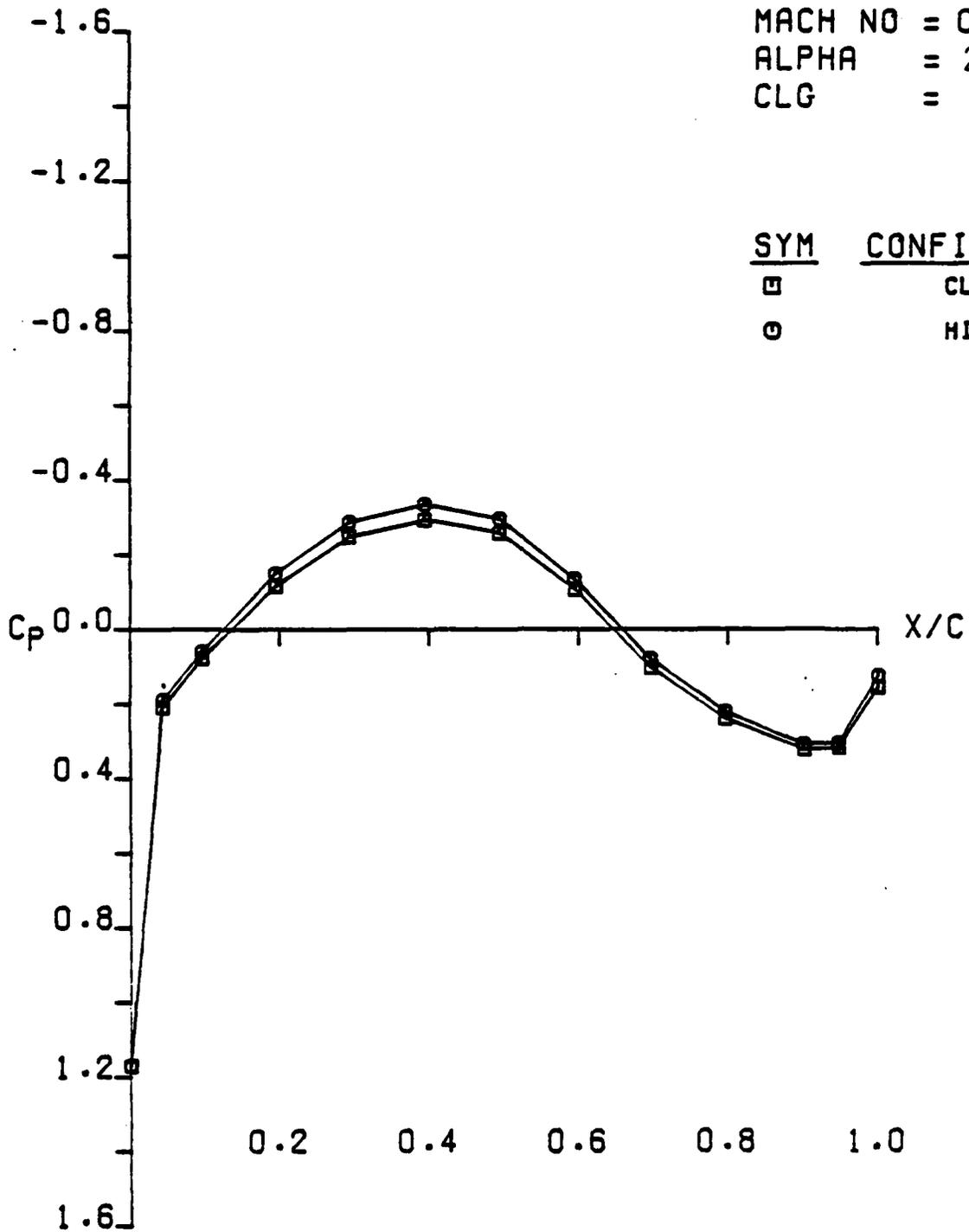
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

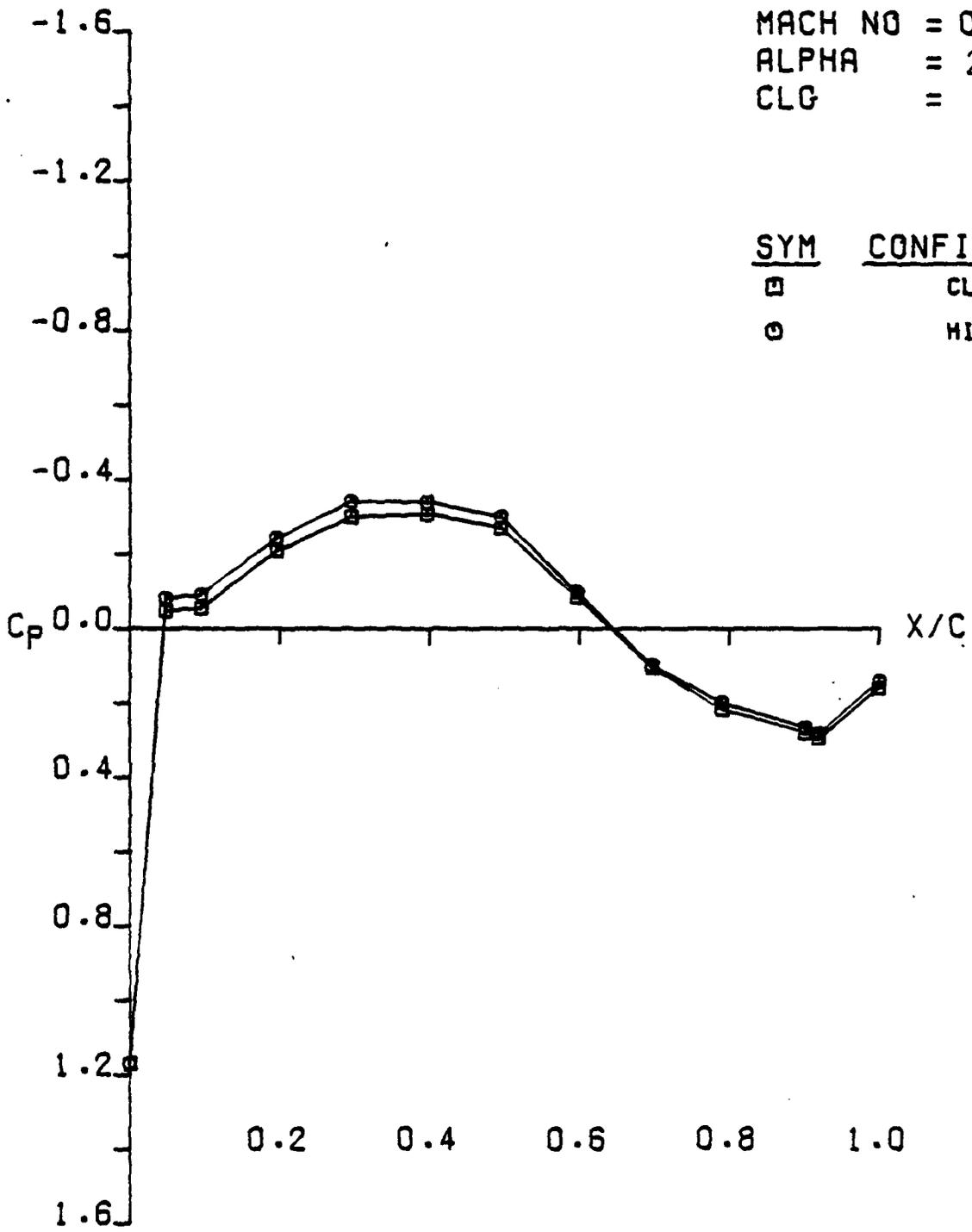
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



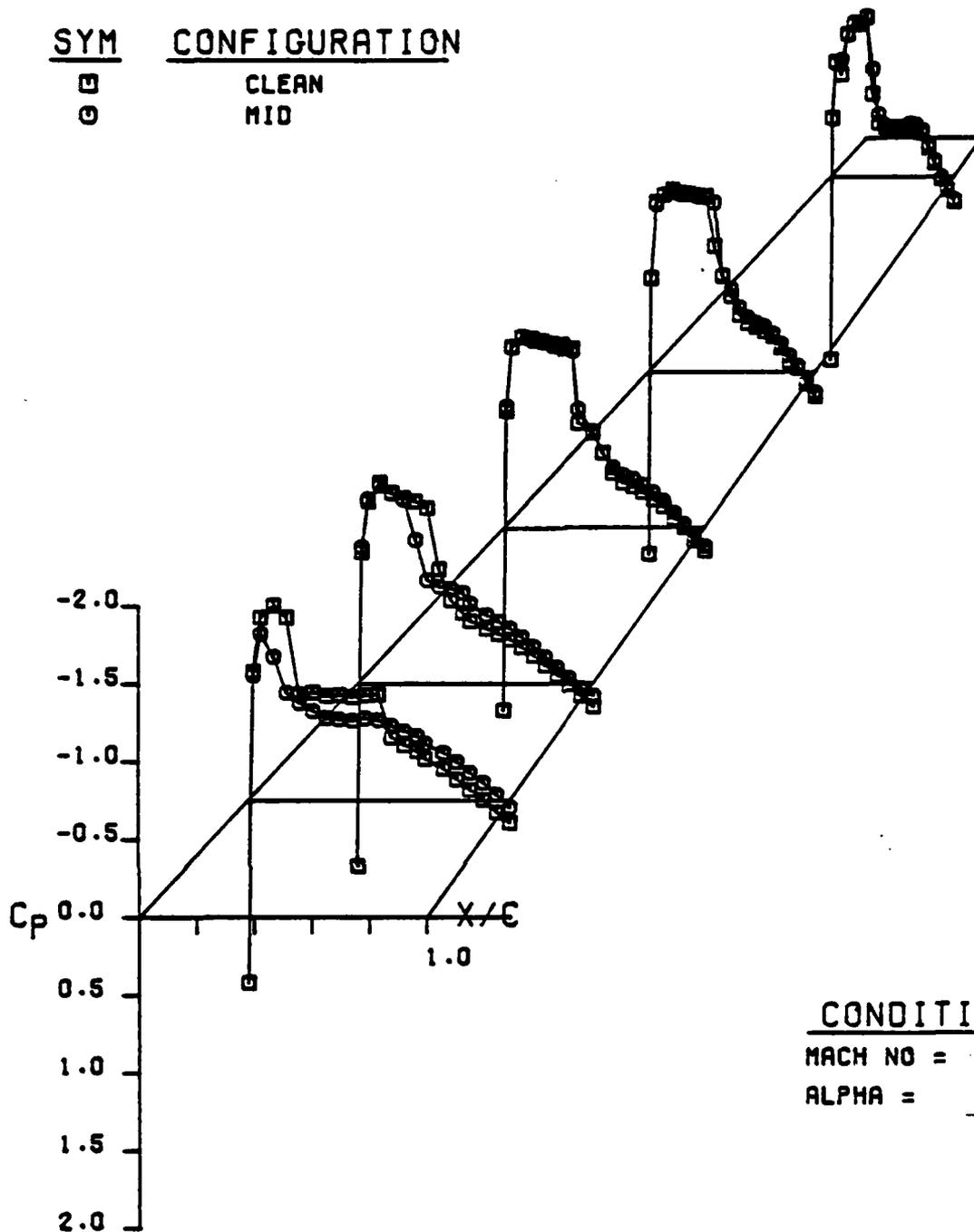
MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS HIGH (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

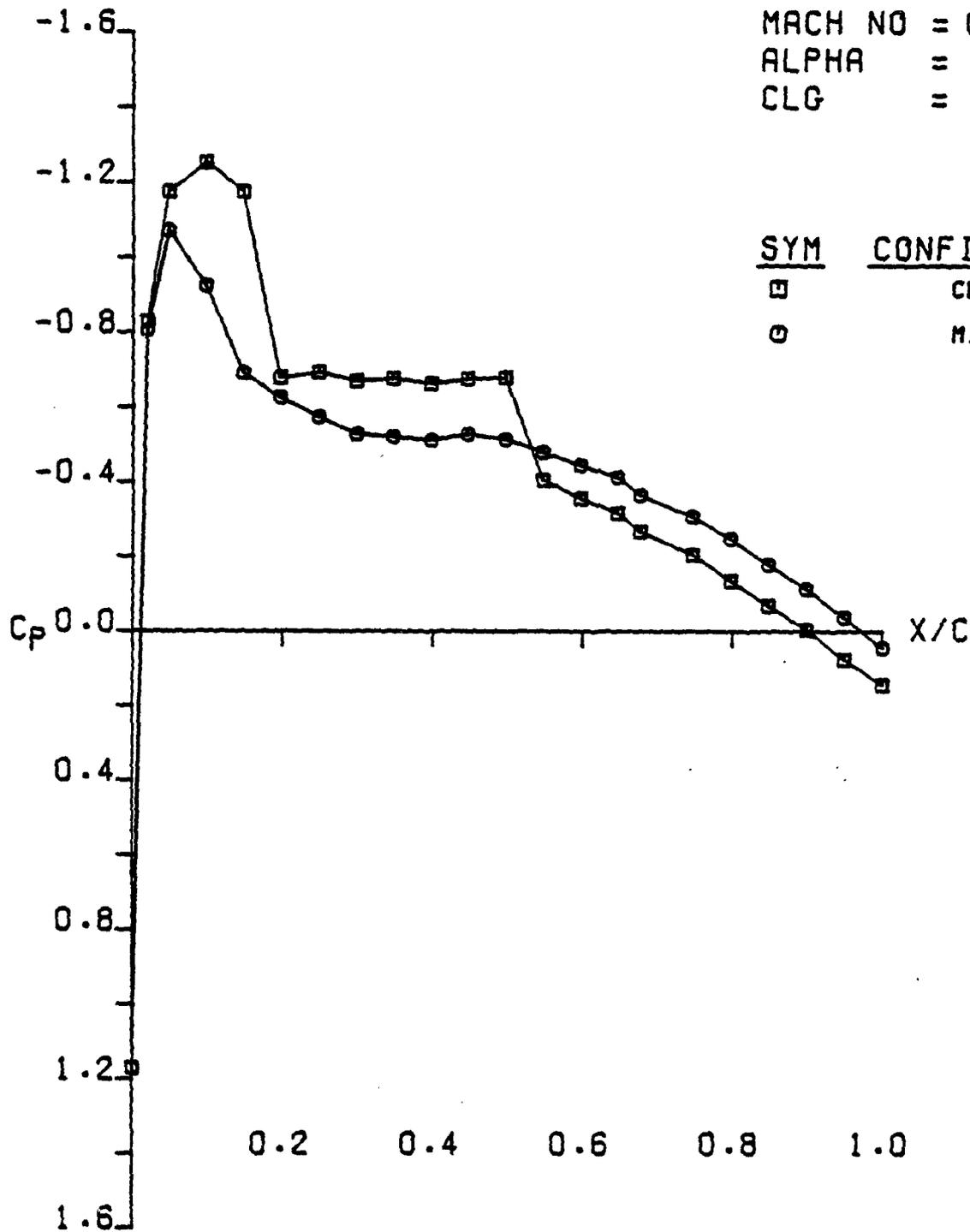
SYM CONFIGURATION

□ CLEAN
 ○ MID



CONDITIONS
 MACH NO = 0.801
 ALPHA = 2.941

LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

AD-A085 259

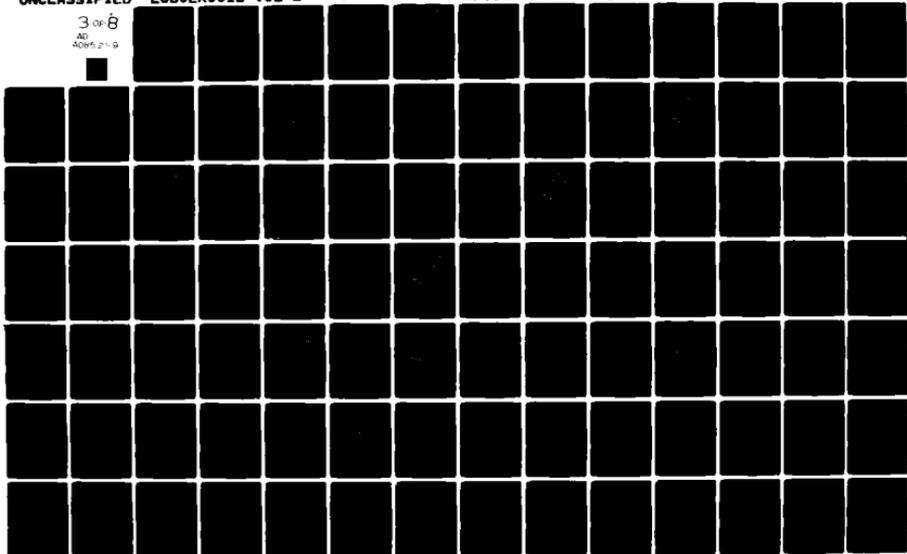
LOCKHEED-GEORGIA CO MARIETTA
ACQUISITION AND APPLICATION OF TRANSONIC WING AND FAR-FIELD
MAR 80 B L HINSON, K P BURDGES
L680ER0012-VOL-2

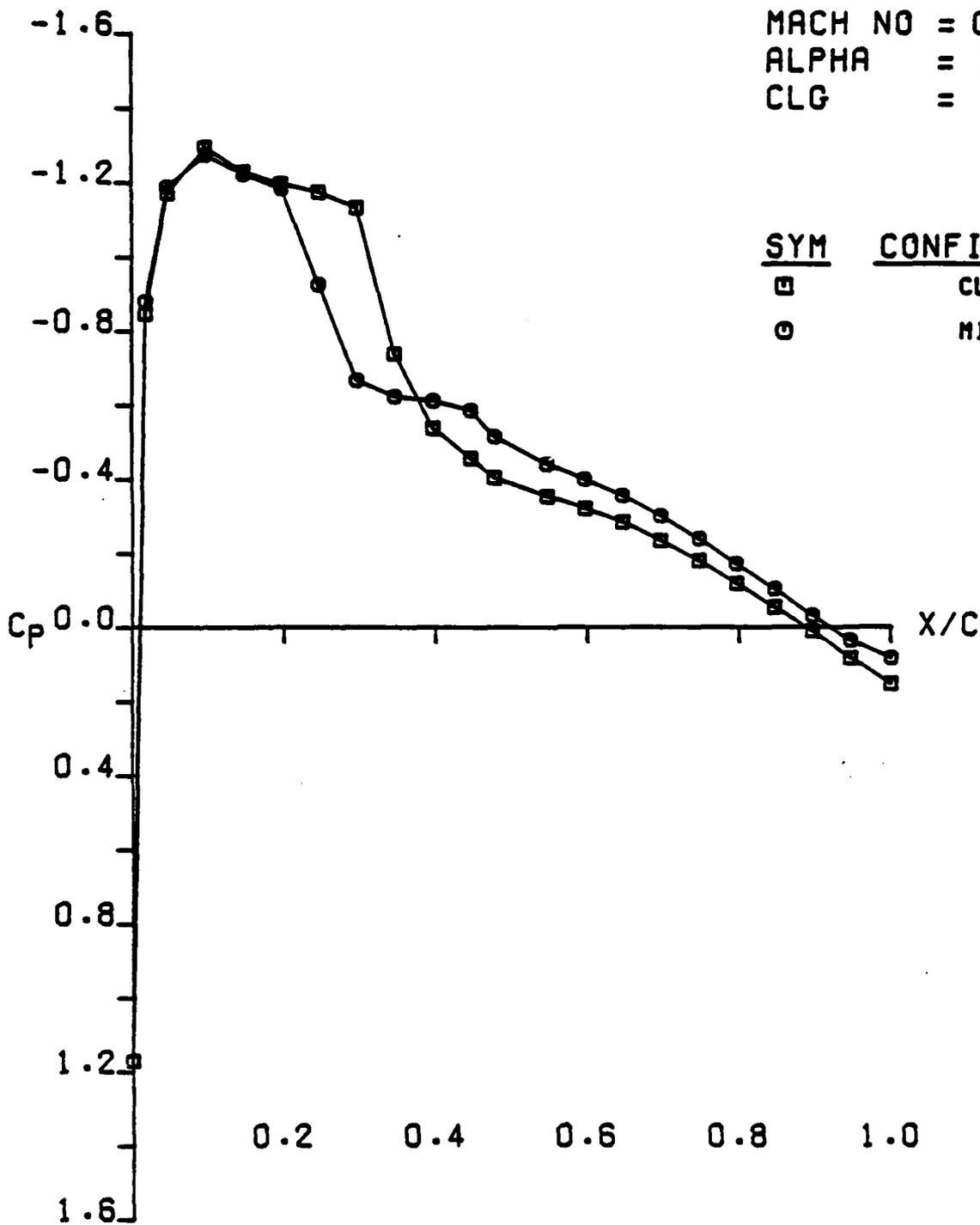
F/6 20/4

TES--ETC(U)
F49620-78-C-0068
AFOSR-TR-80-0422-VOL-2-APP NL

UNCLASSIFIED

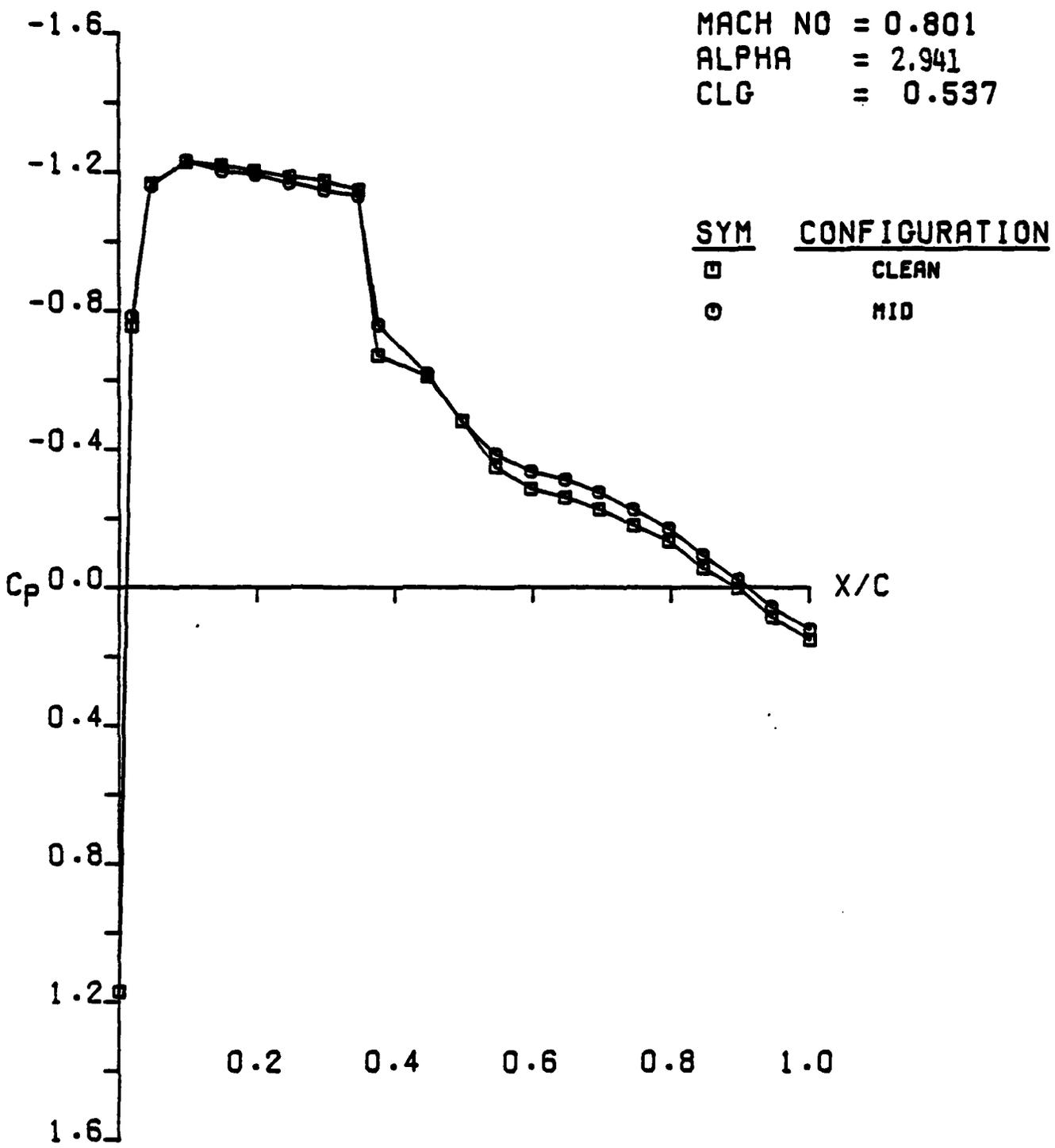
3 of 8
AD
A085 259





LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

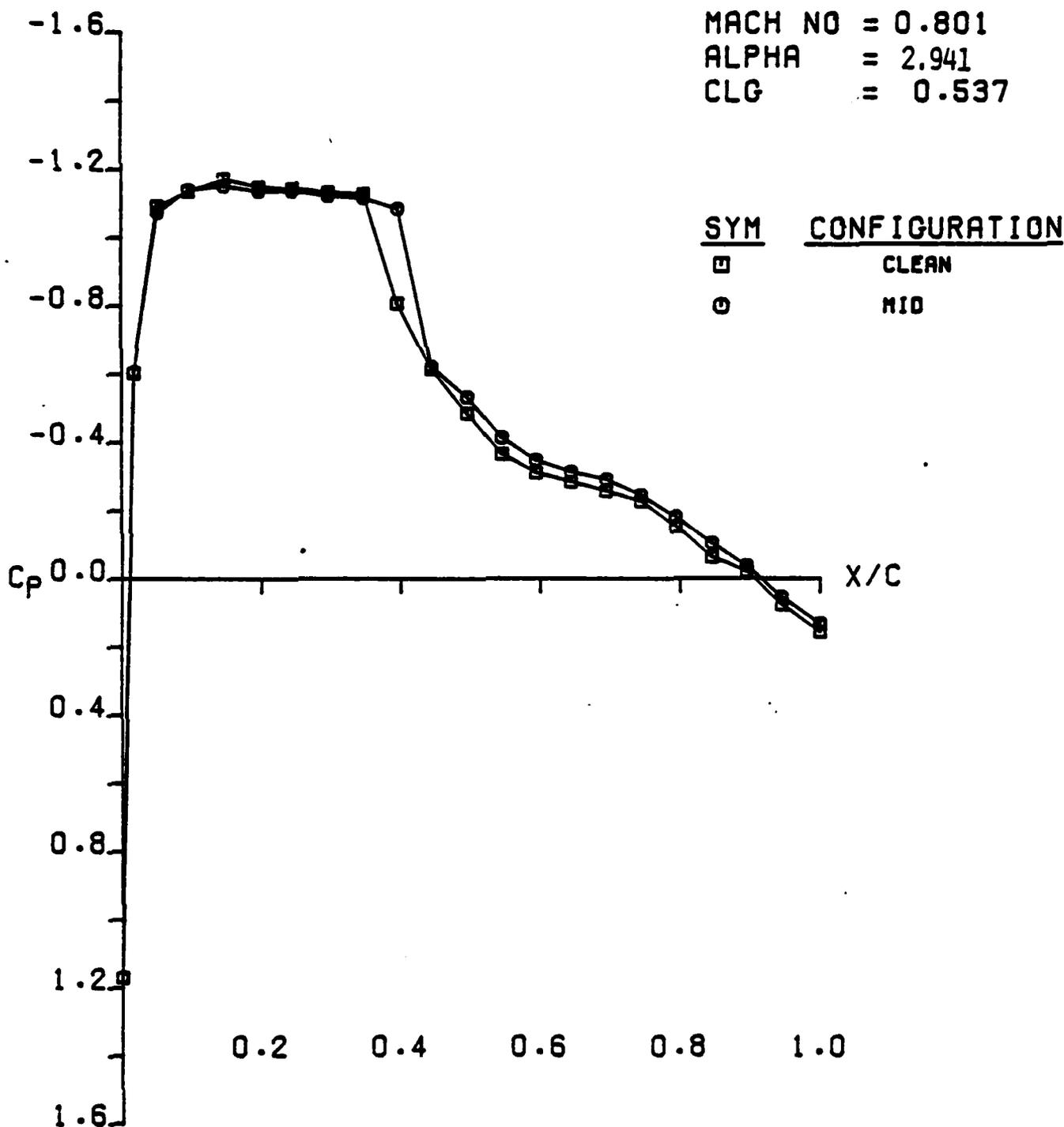
MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537



<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

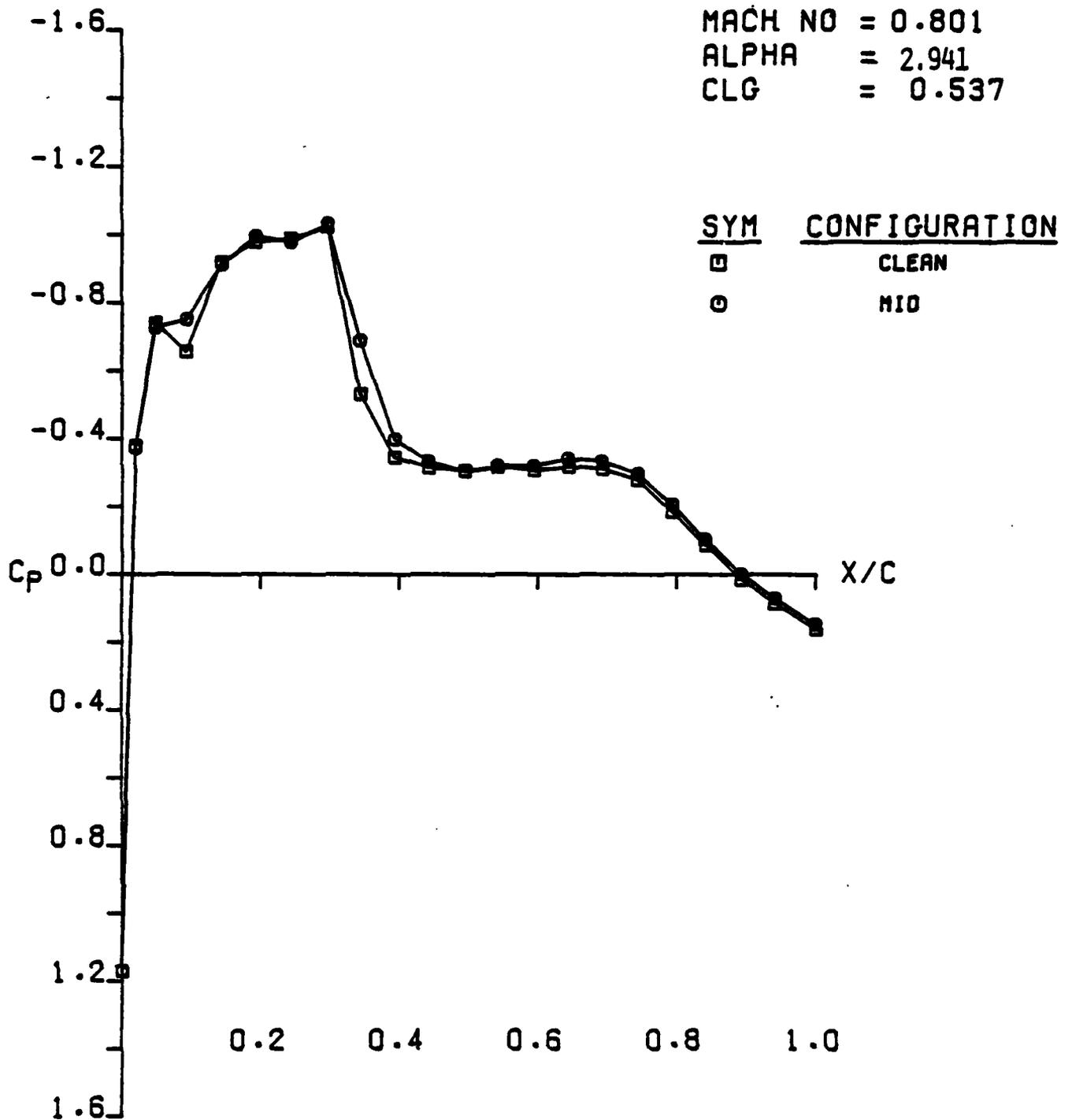
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

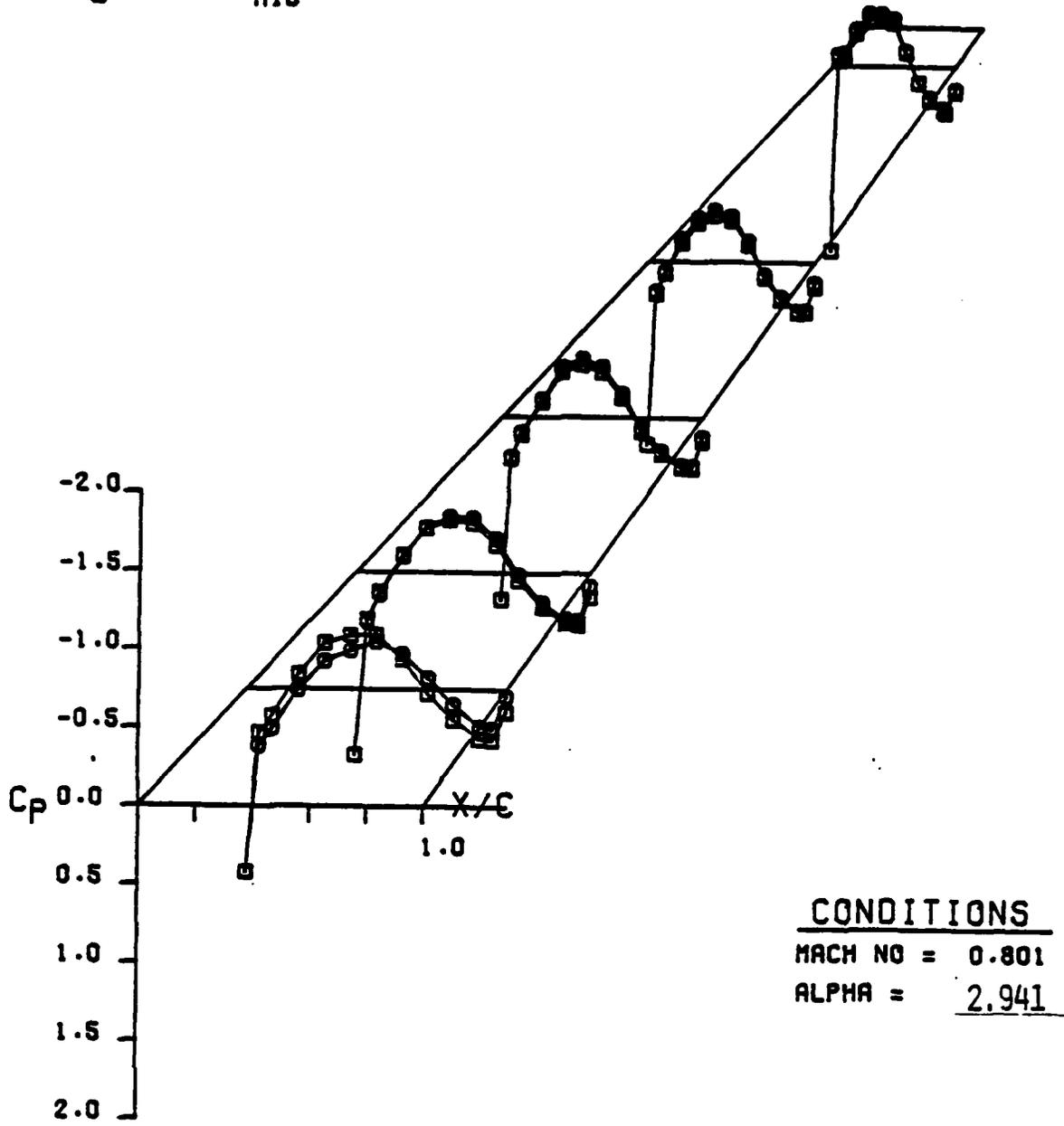
MACH NO = 0.801
ALPHA = 2.941
CLG = 0.537



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS MID (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ MID



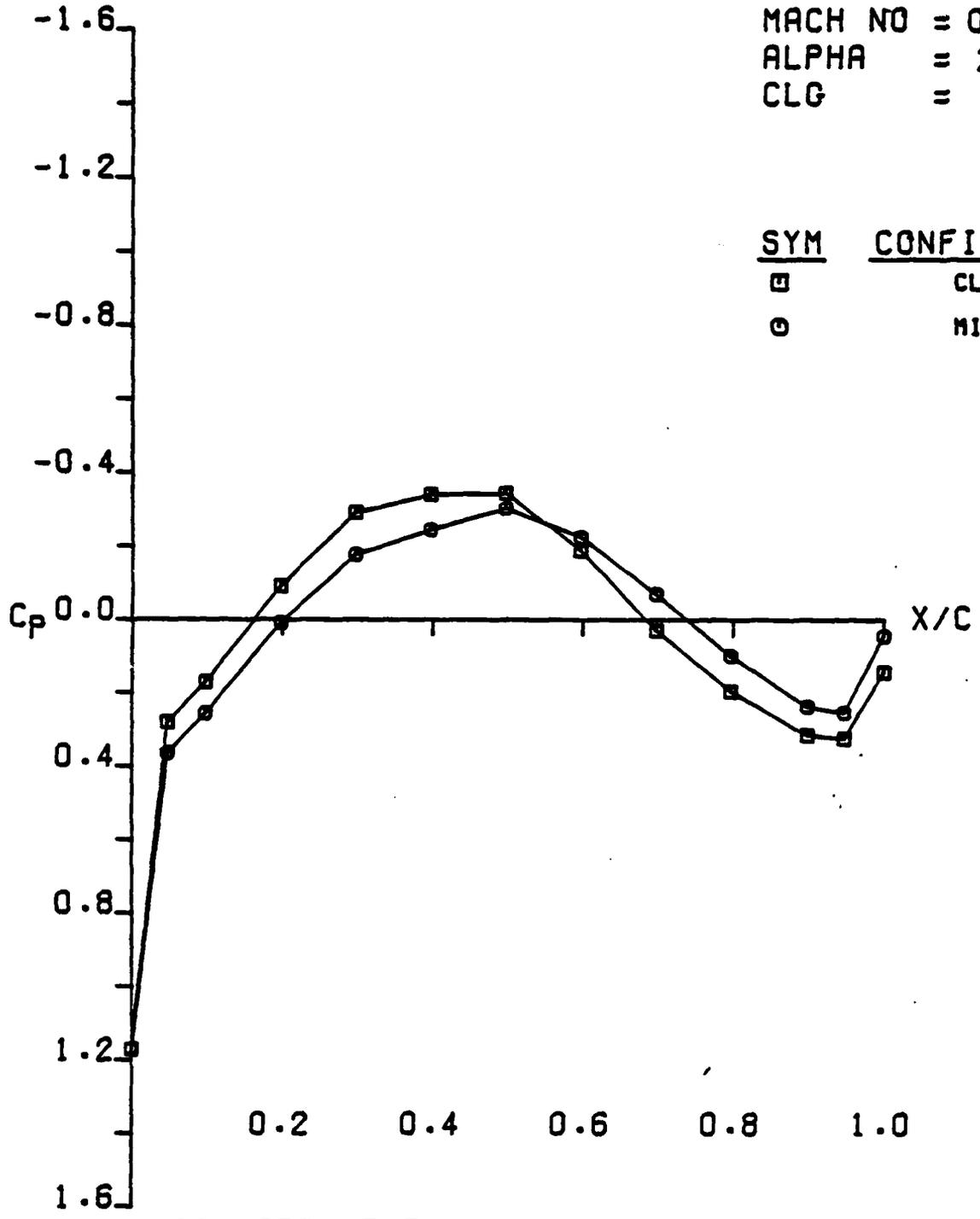
CONDITIONS

MACH NO = 0.801
 ALPHA = 2.941

LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (LWR SURF)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

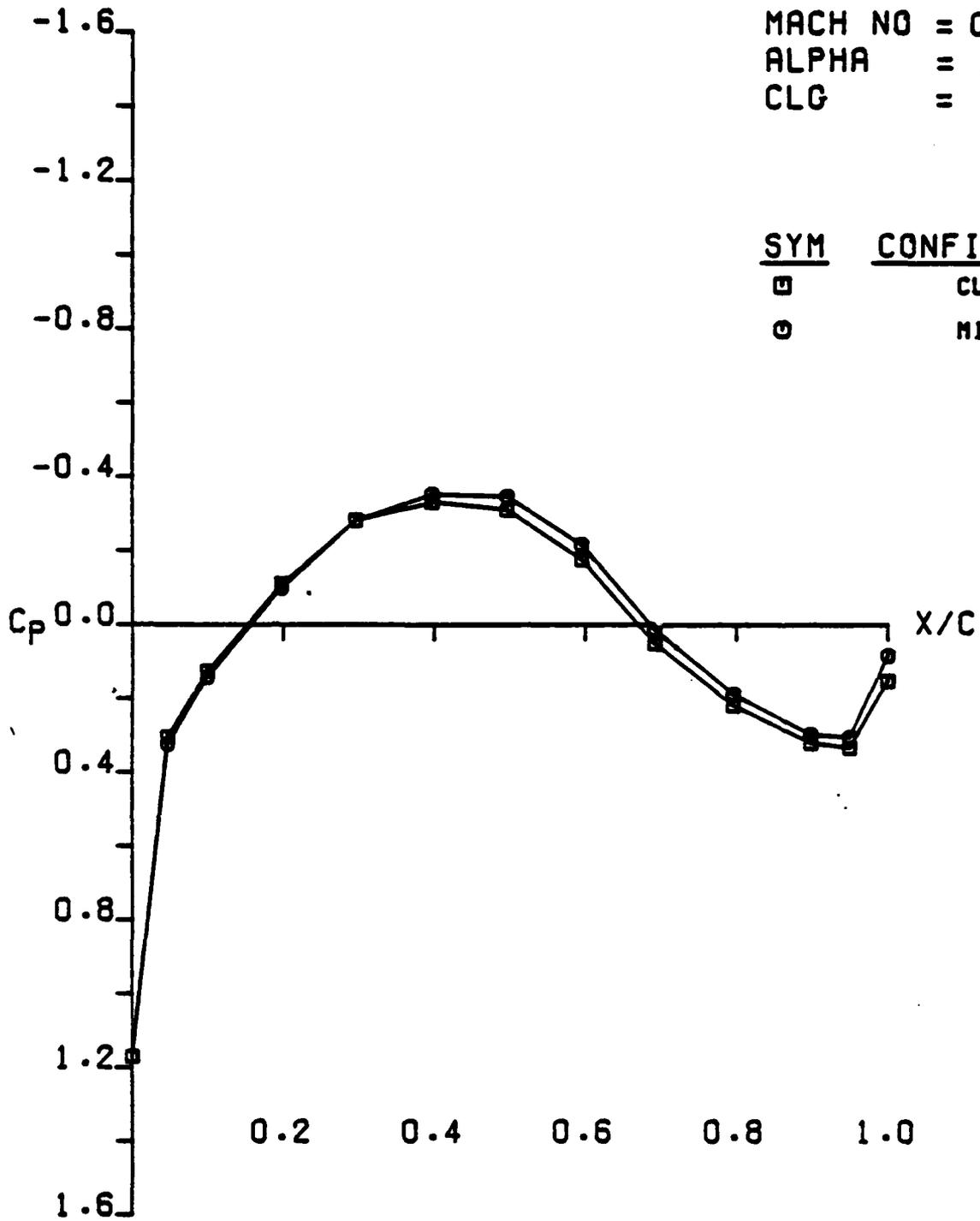
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

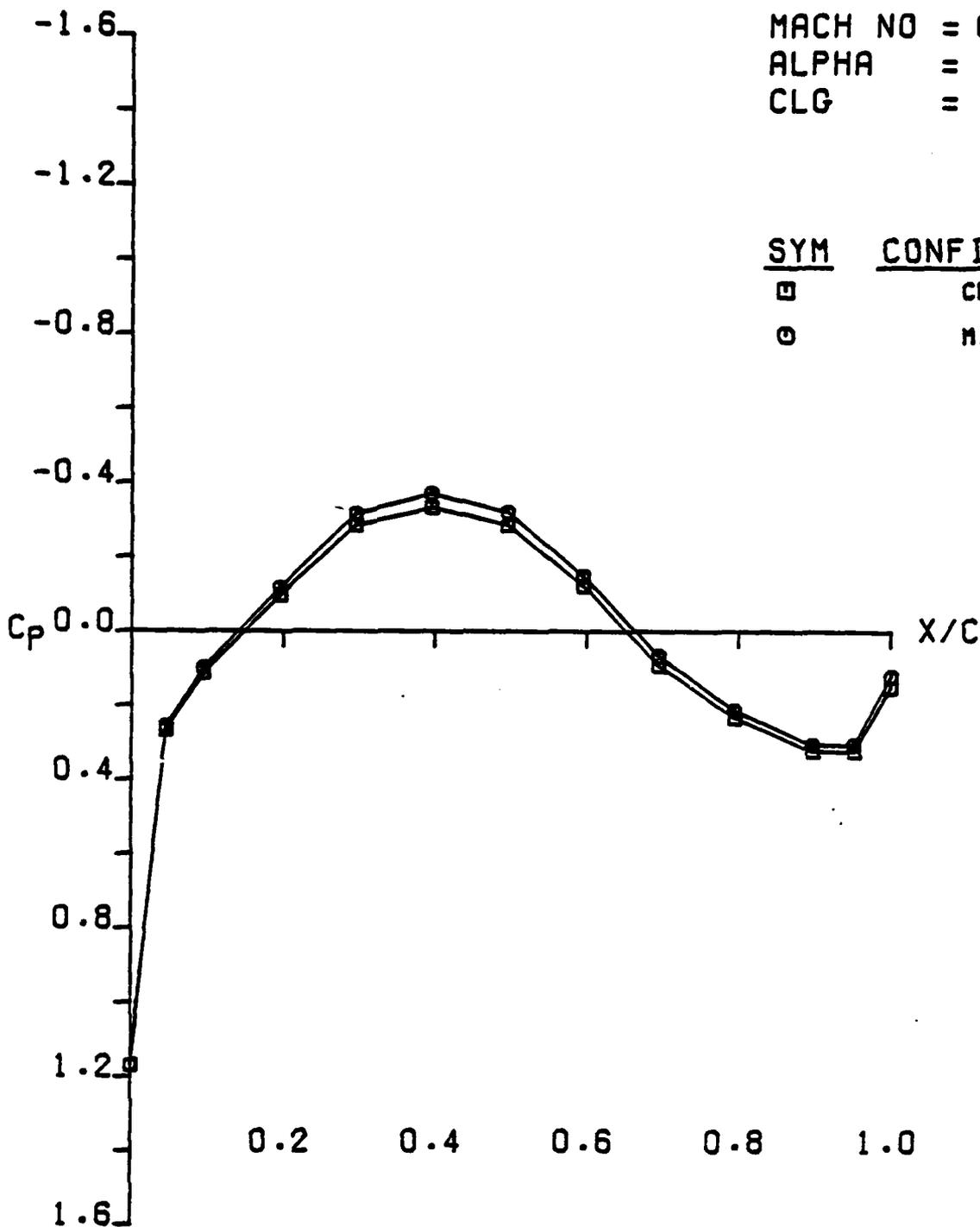
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

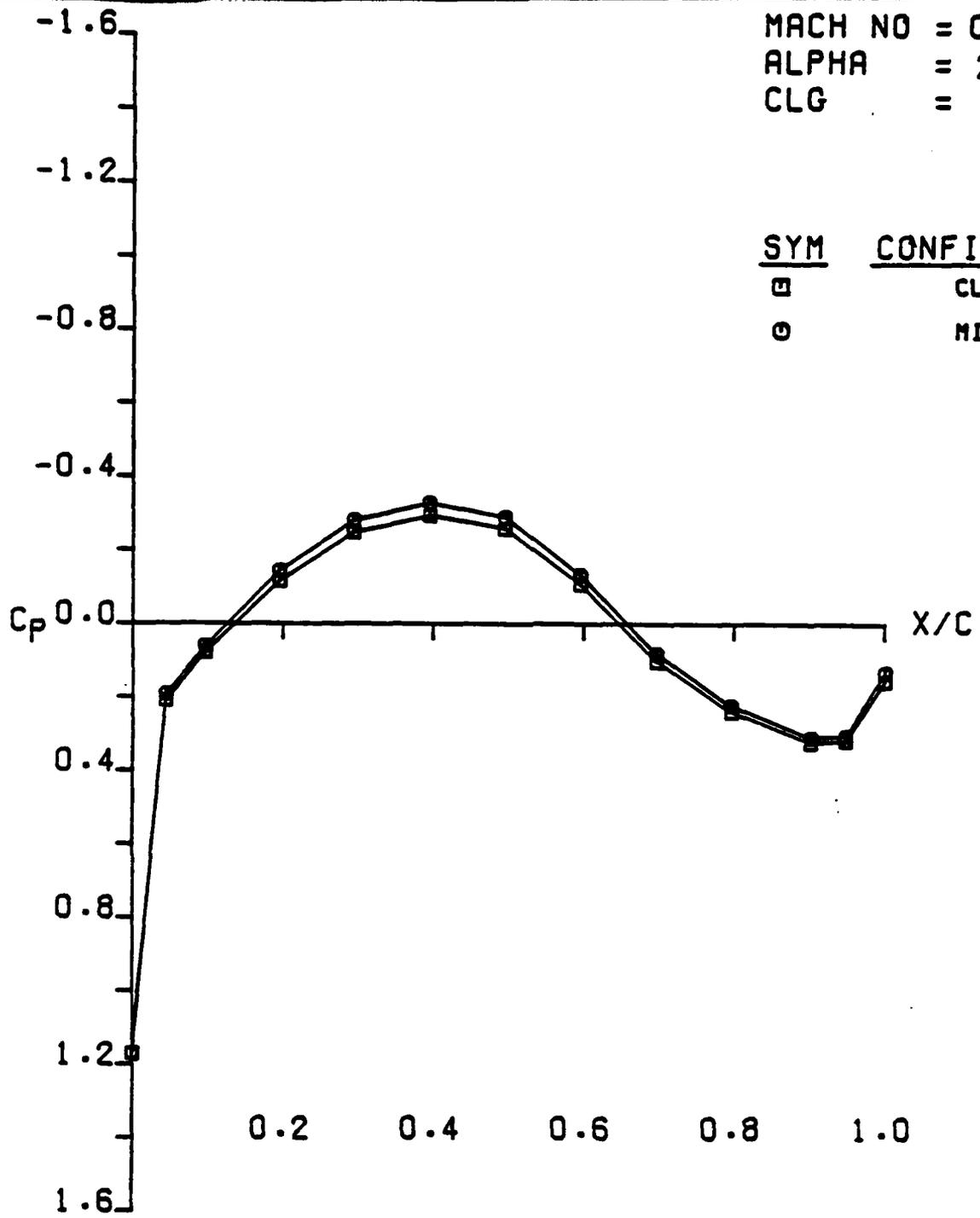
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS MID (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.801
ALPHA = 2.941
CLG = 3.537

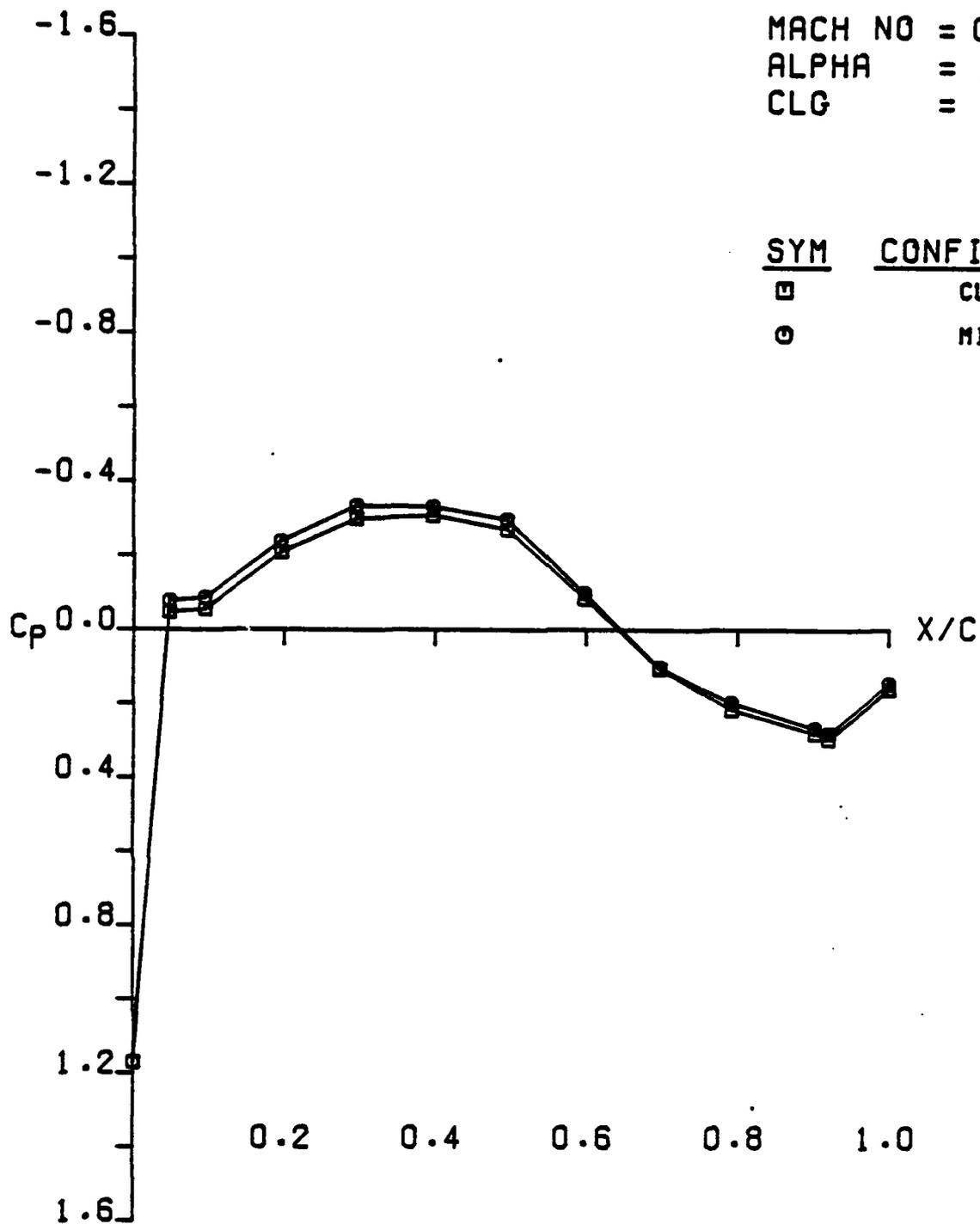
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS MID (LWR SURF ETA .70)
AFOSR SEMISPAN MODEL A

MACH NO = 0.801
ALPHA = 2.941
CLG = 0.537

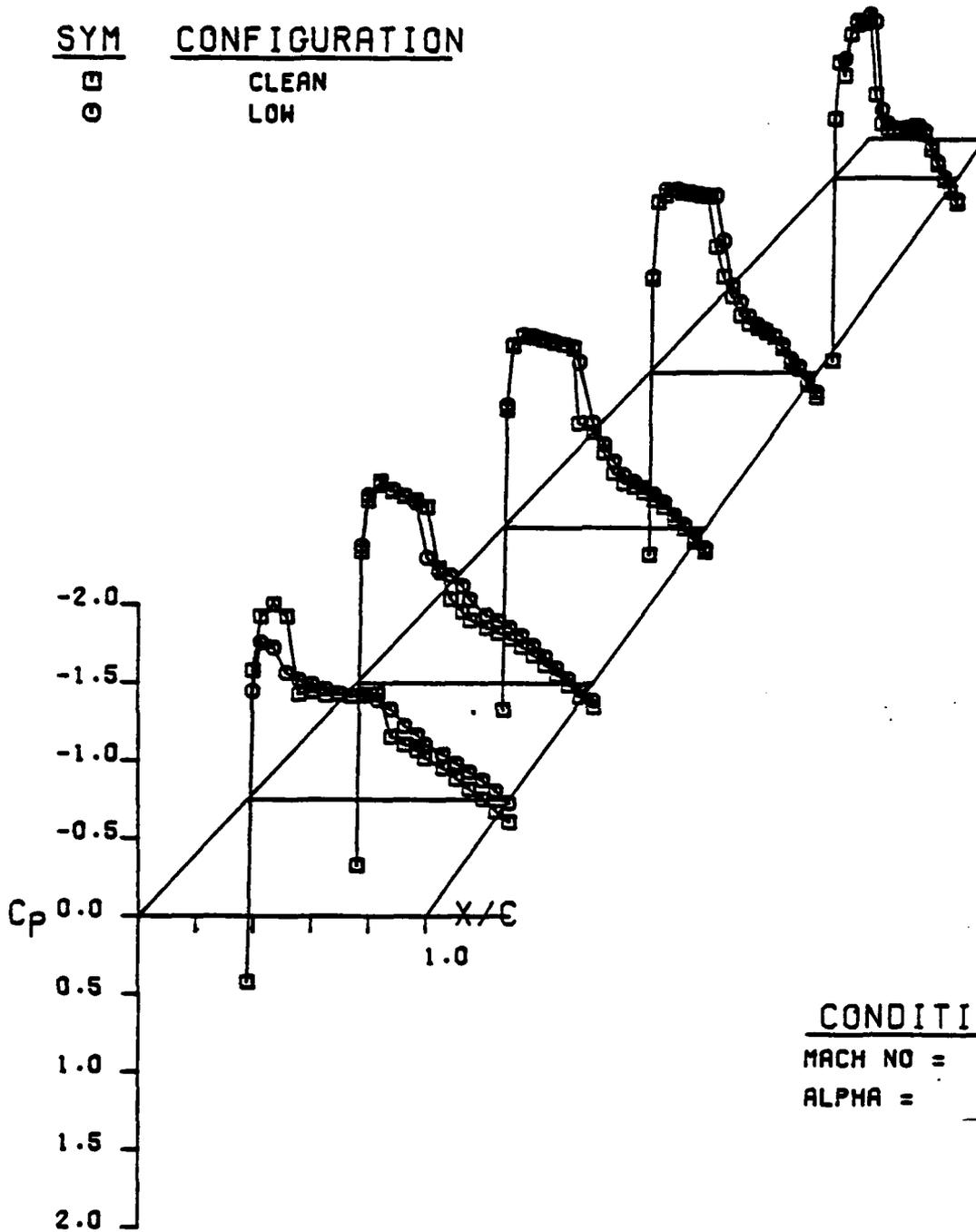
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
CLN VS MID (LWR SURF ETA .95)
AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ LOW

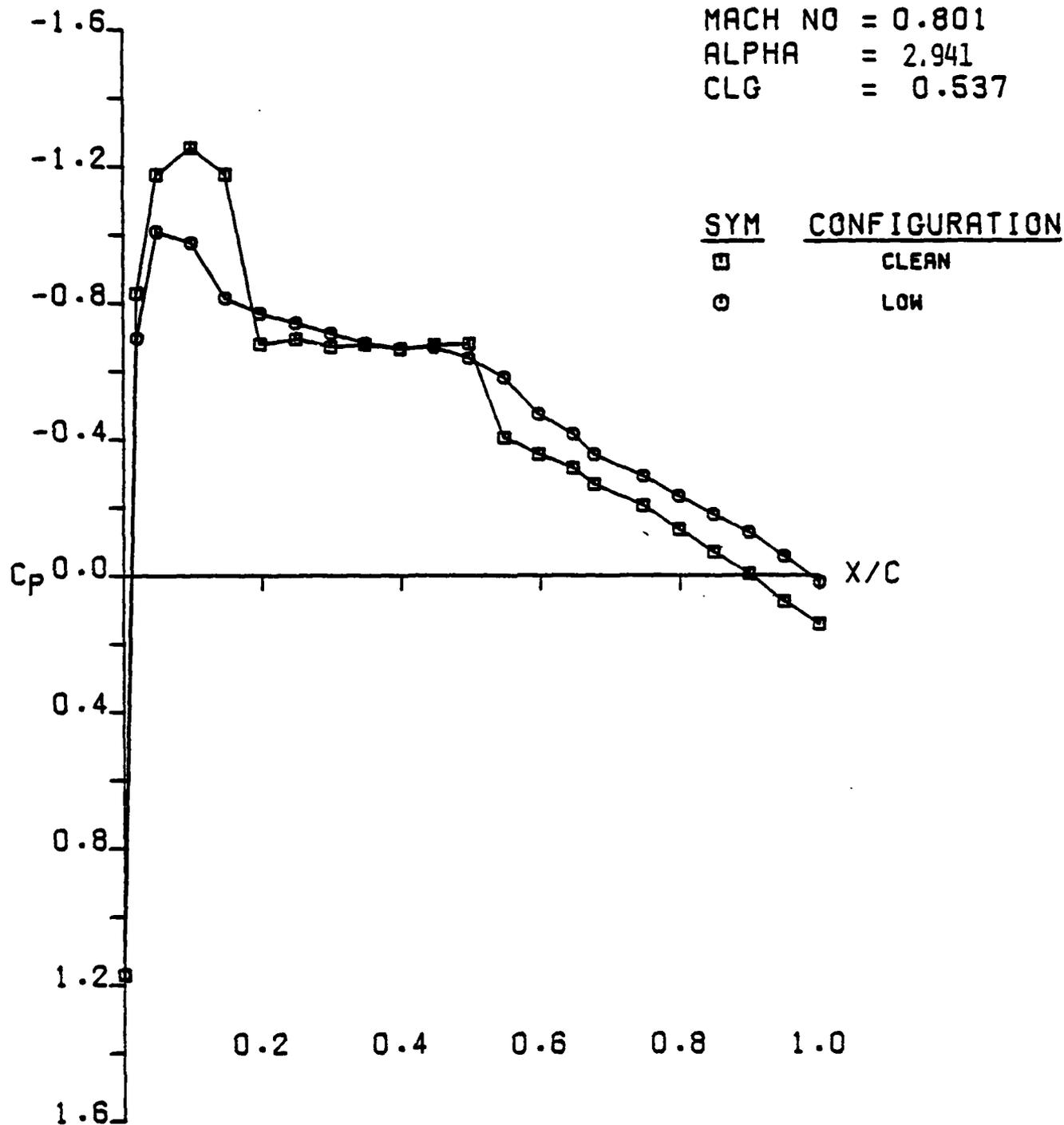


CONDITIONS

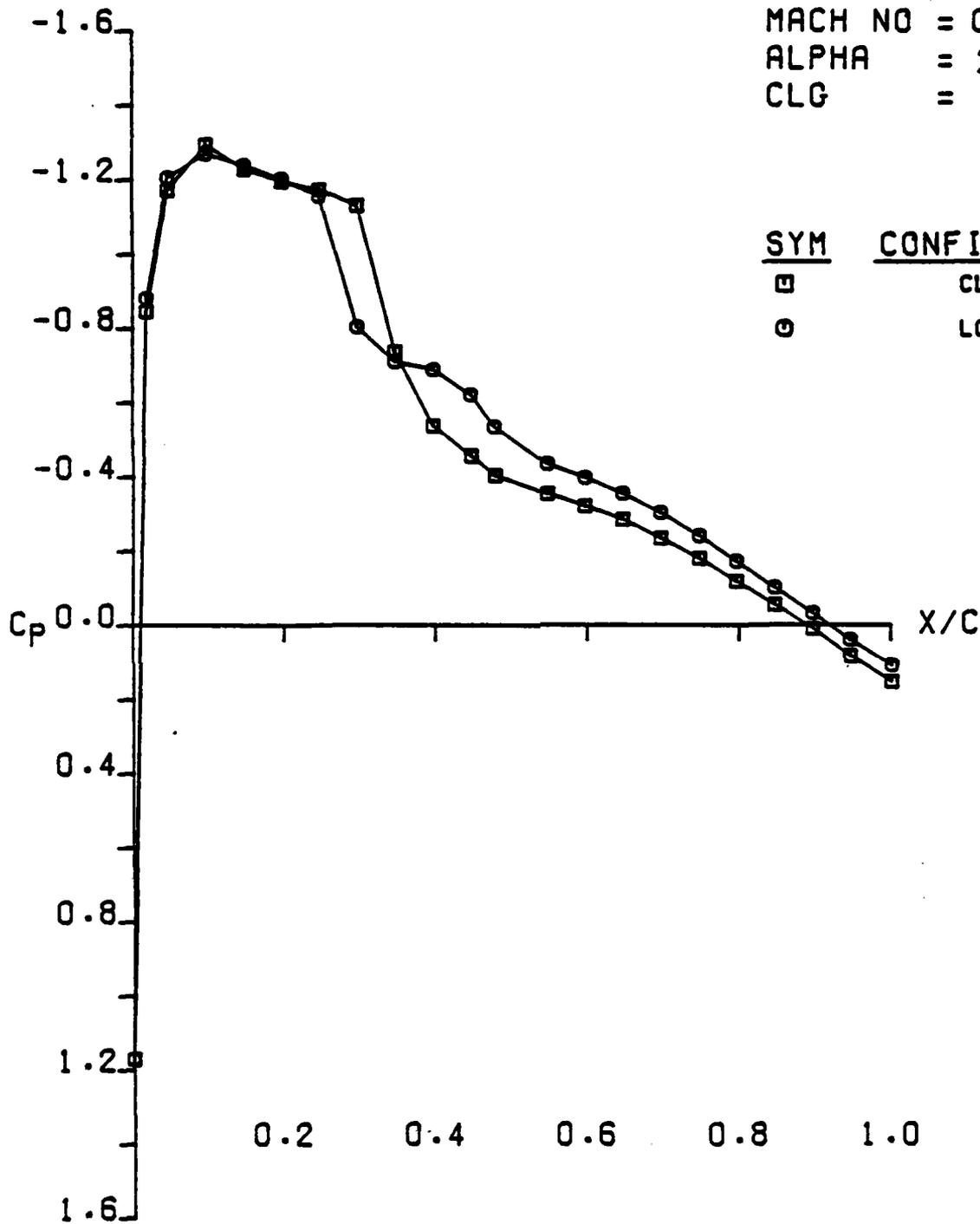
MACH NO = 0.801

ALPHA = 2.941

LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (UPR SURF)
 AFOSR SEMISPAN MODEL A



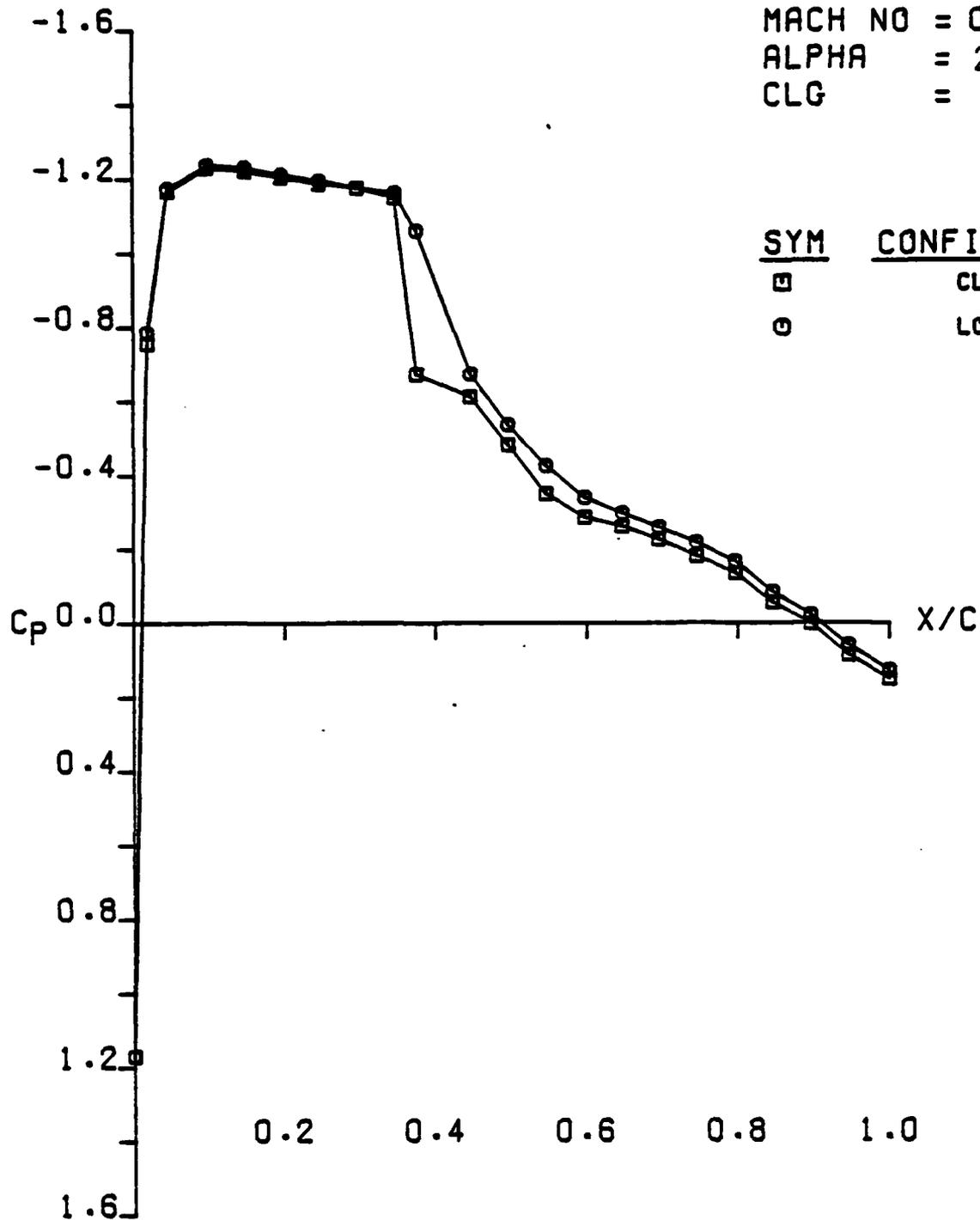
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



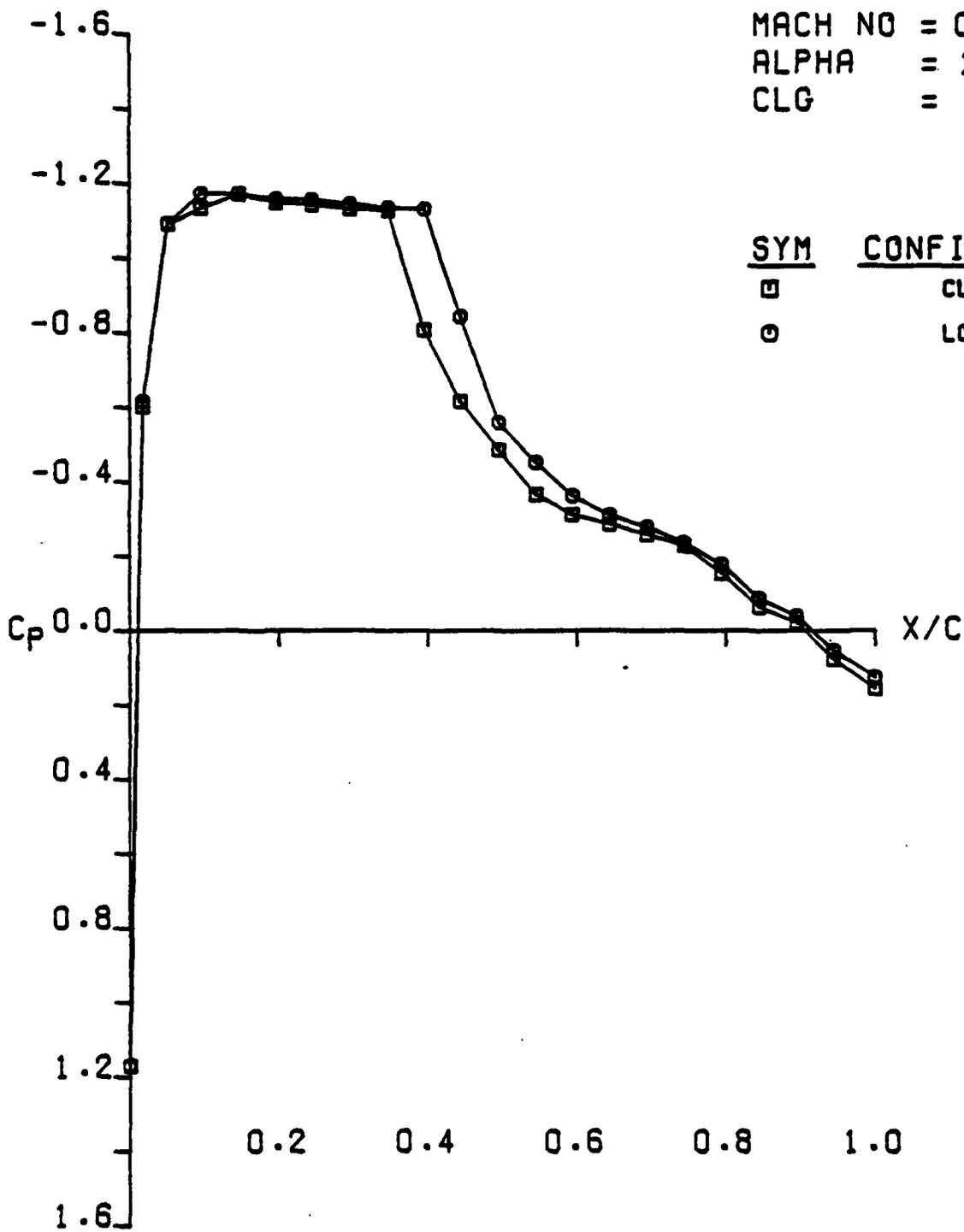
MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



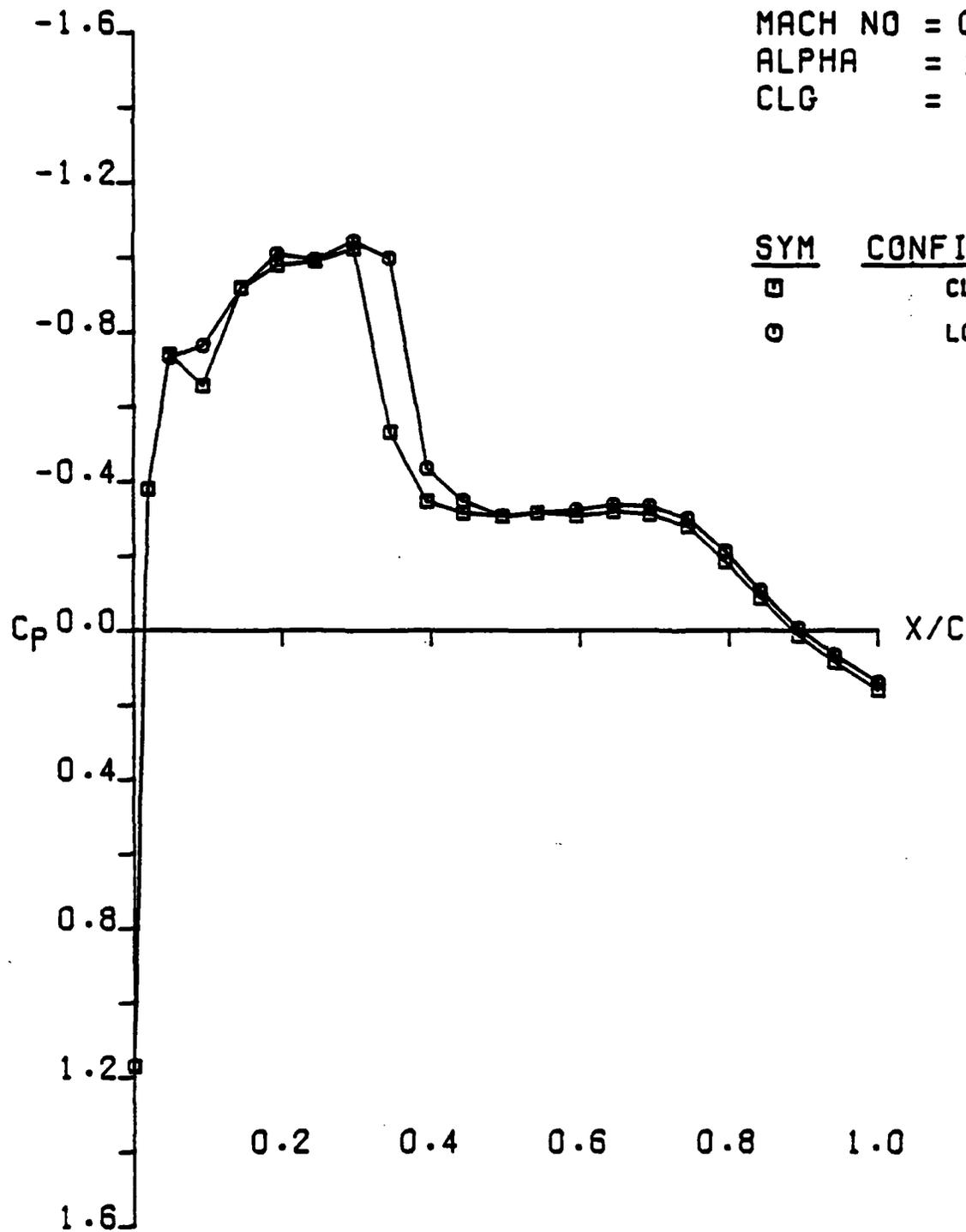
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

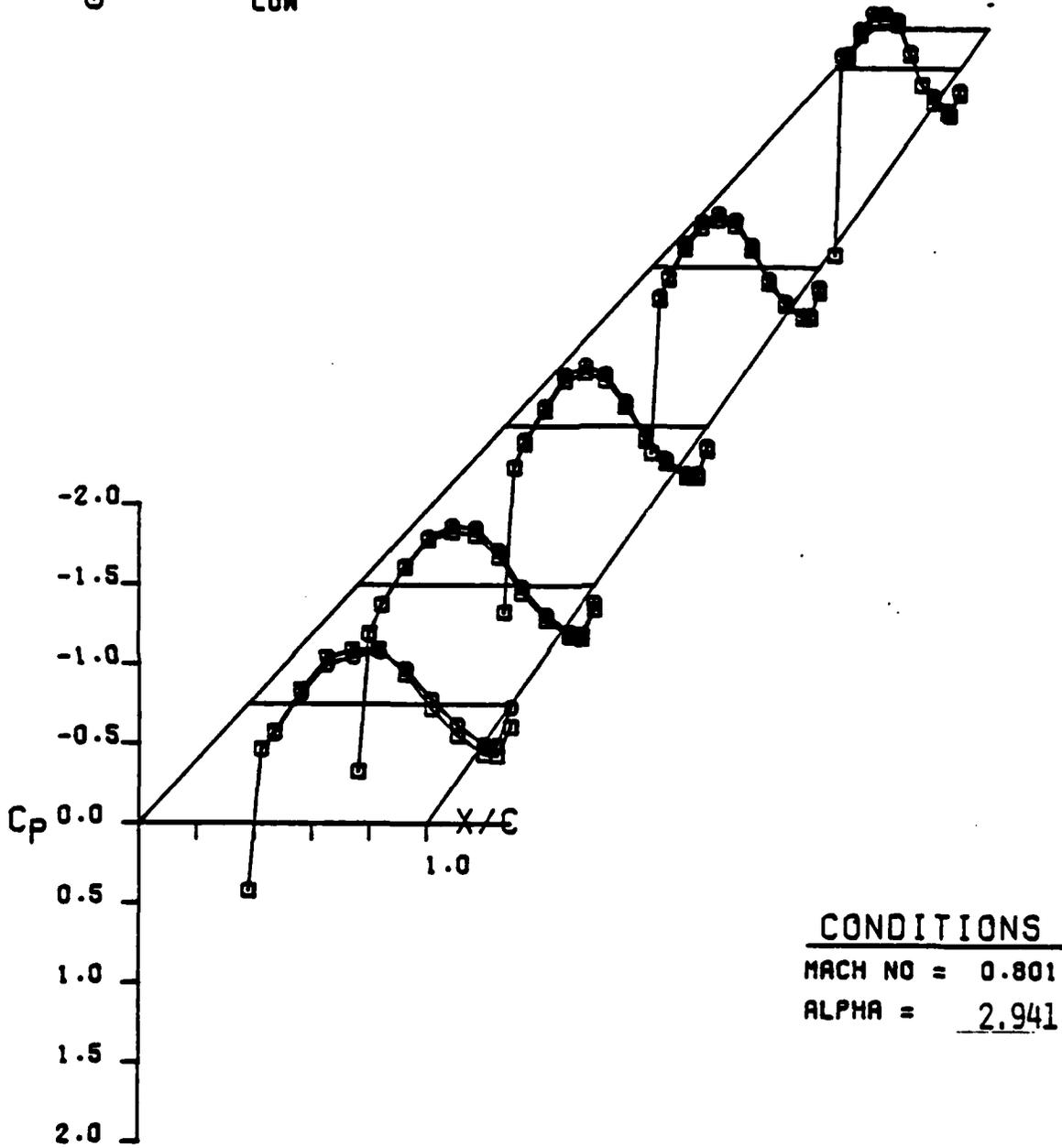
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

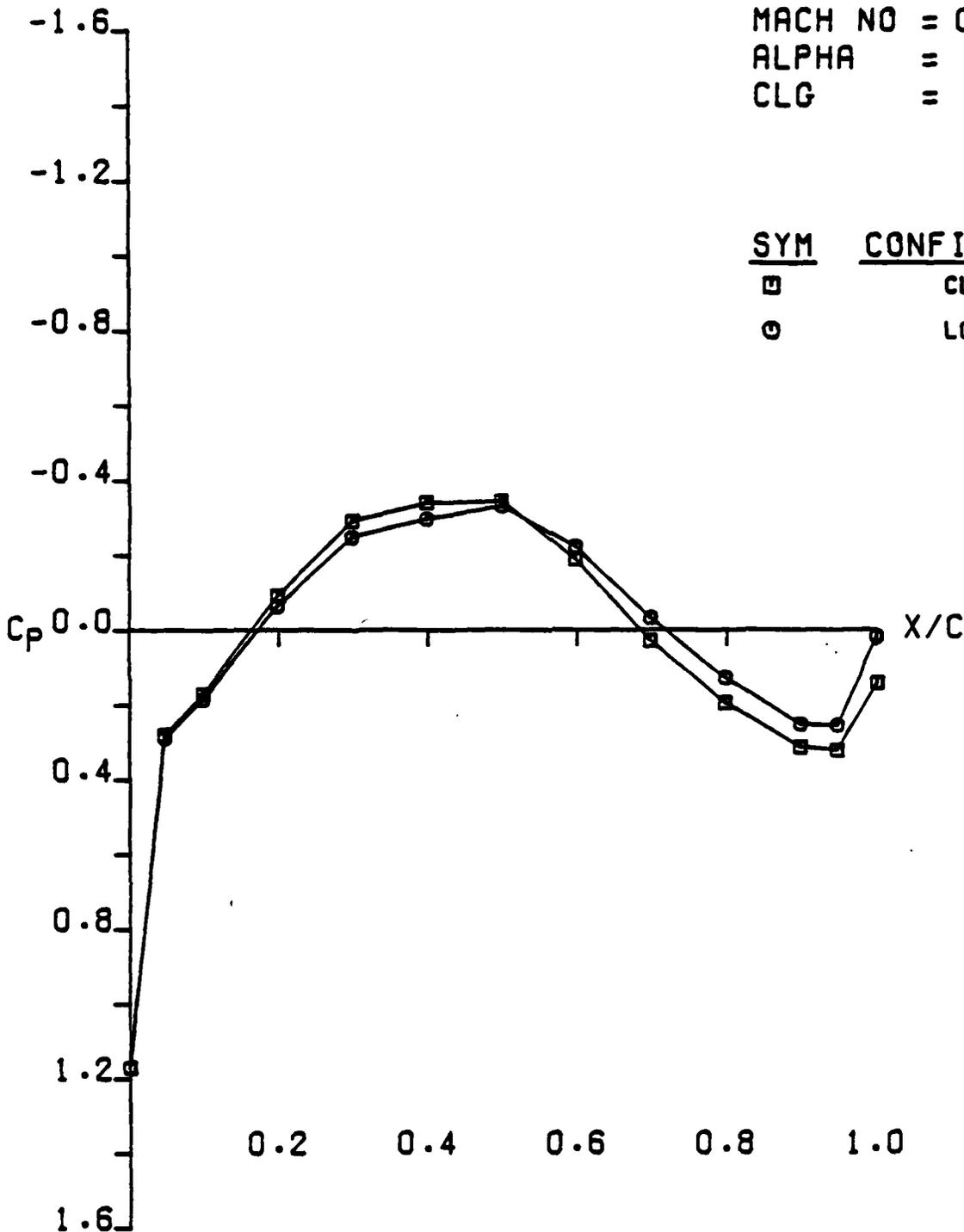
□ CLEAN
 ○ LOW



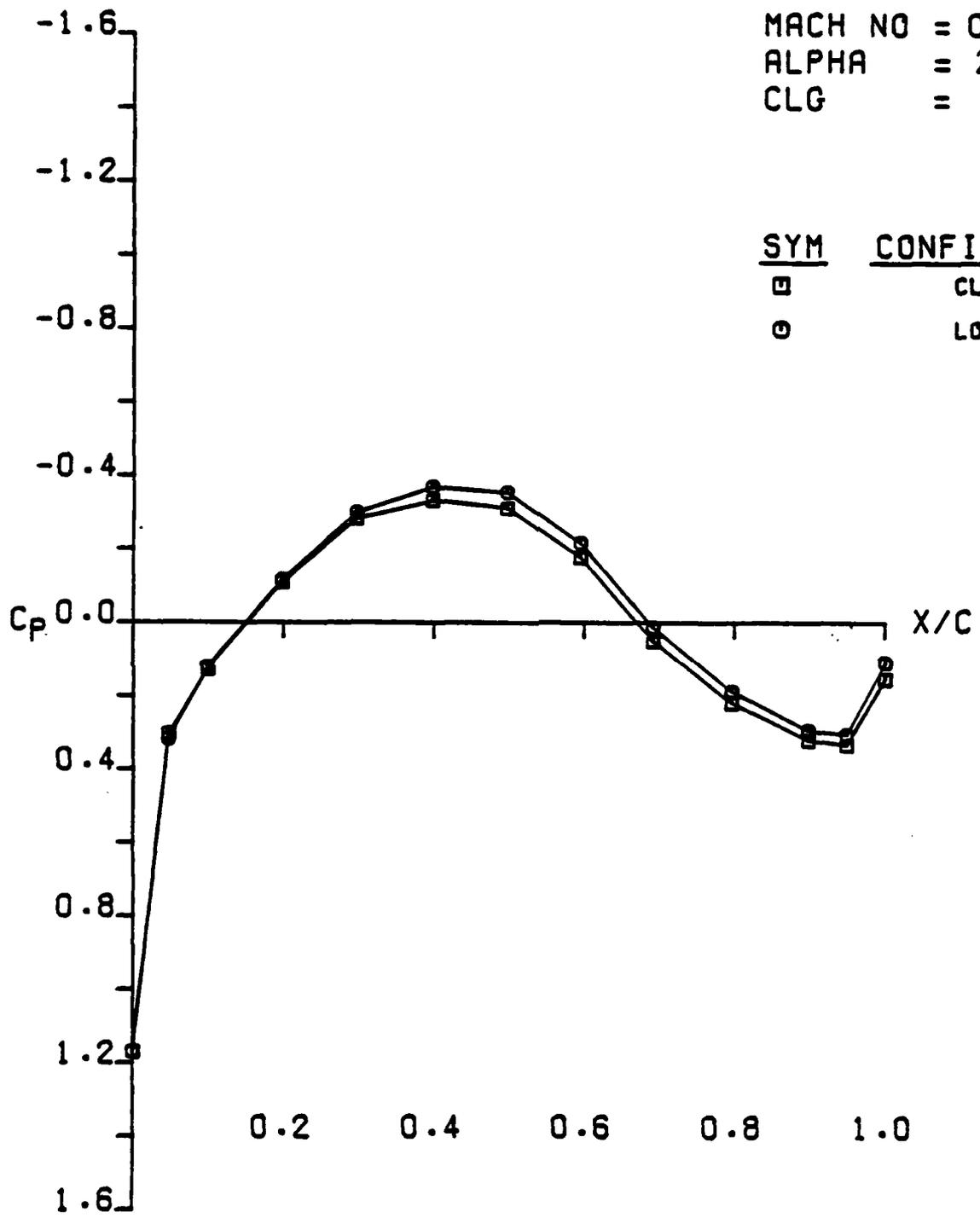
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



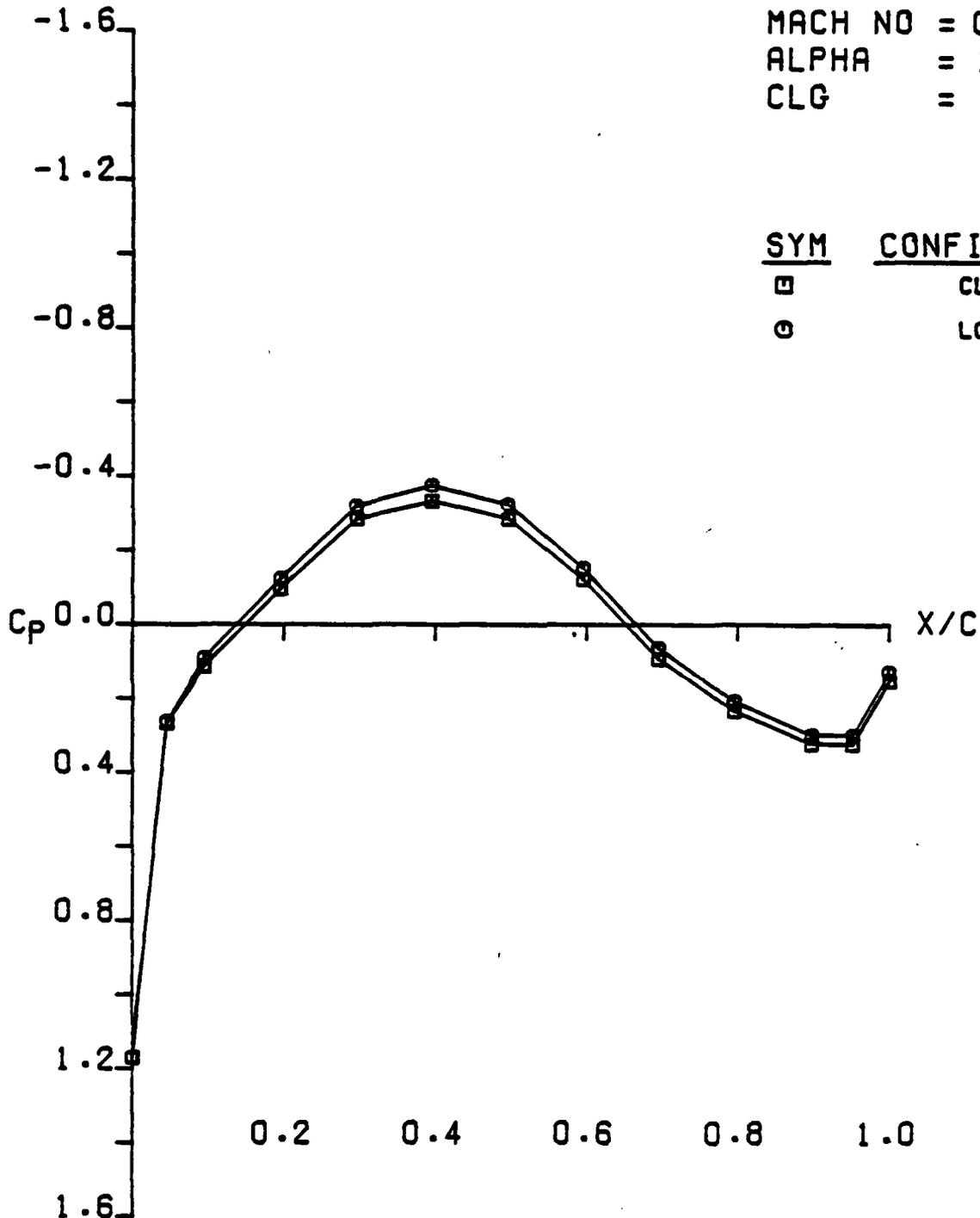
LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



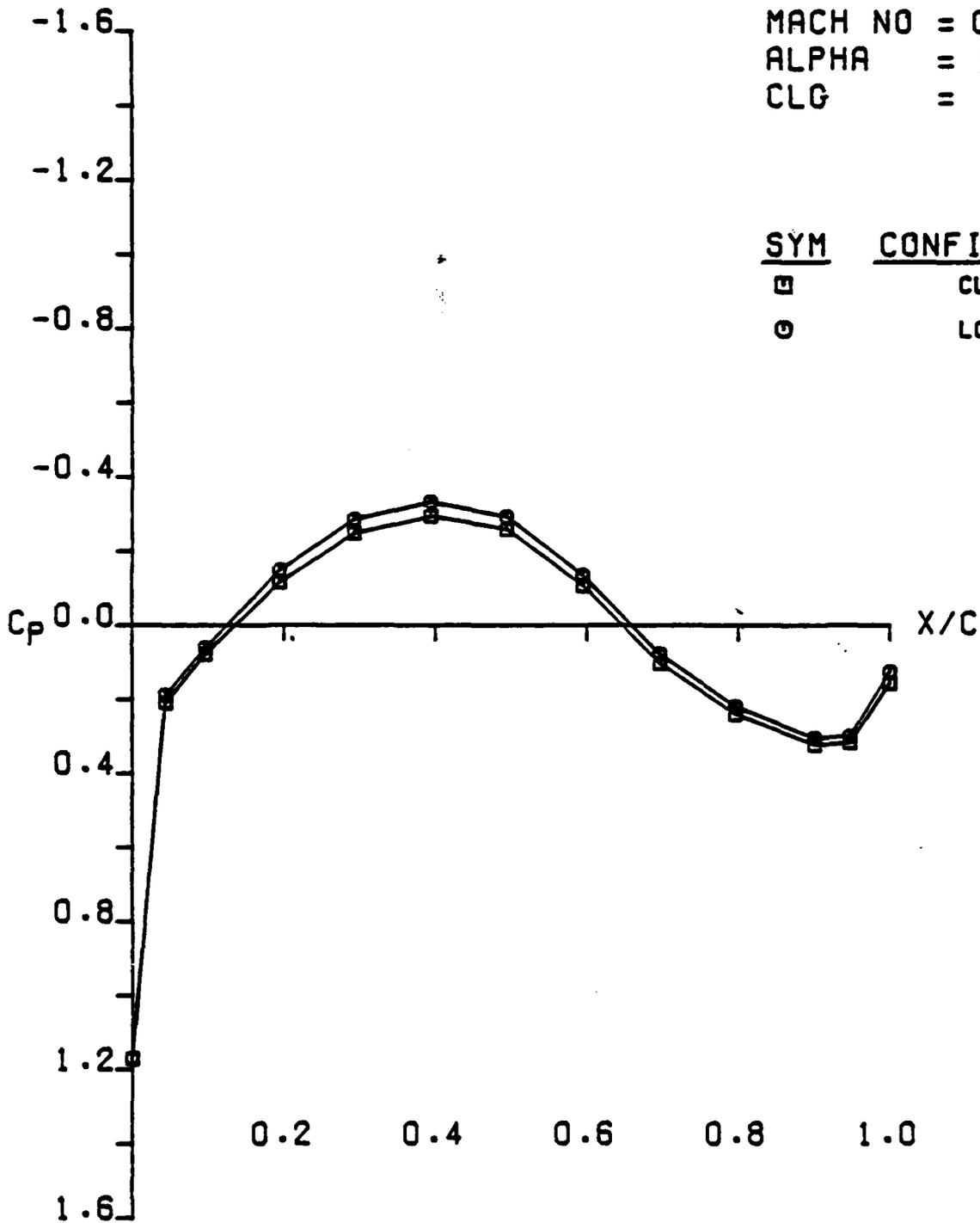
MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



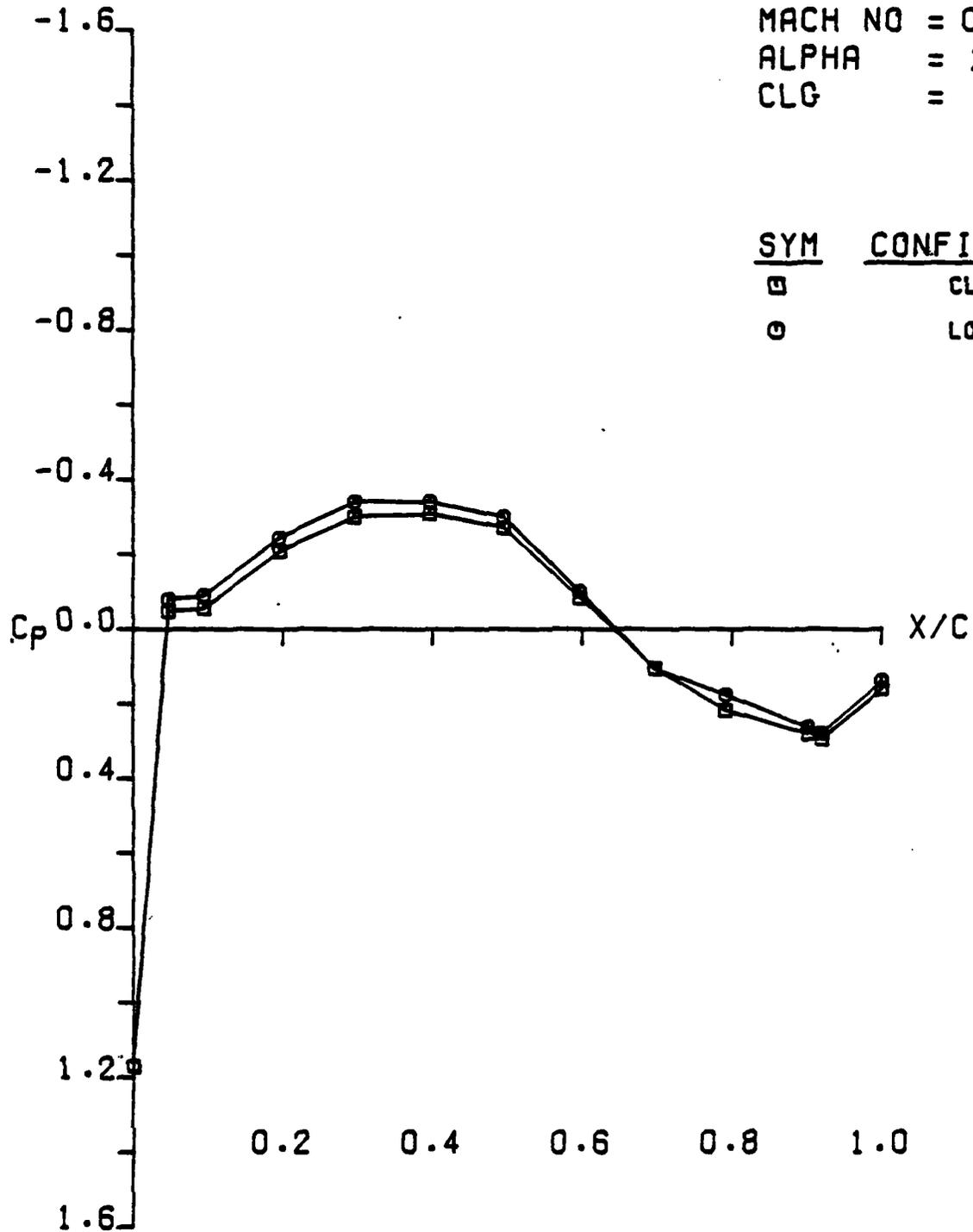
MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

SYM	CONFIGURATION
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.801
 ALPHA = 2.941
 CLG = 0.537

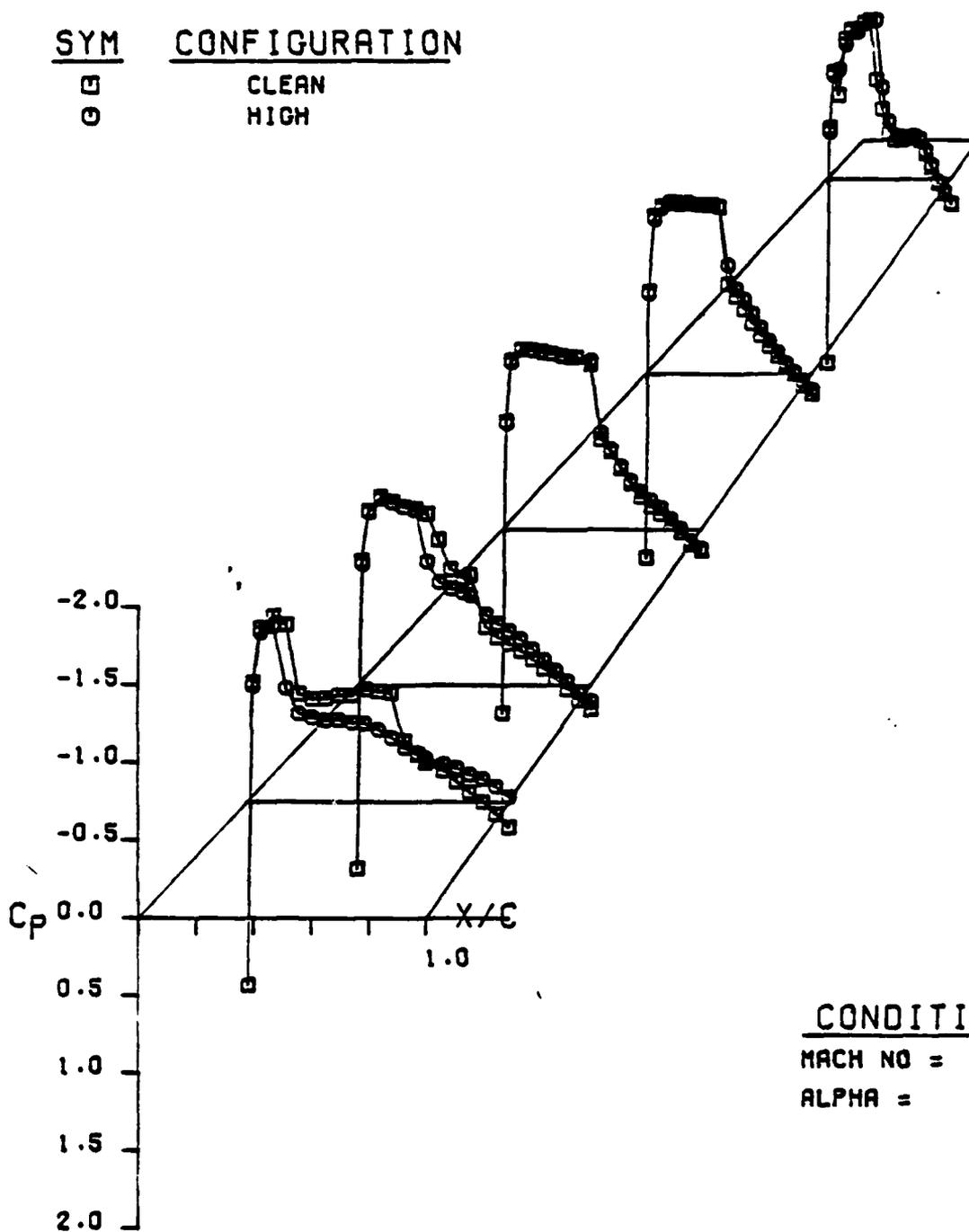
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 92
 CLN VS LOW (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ HIGH

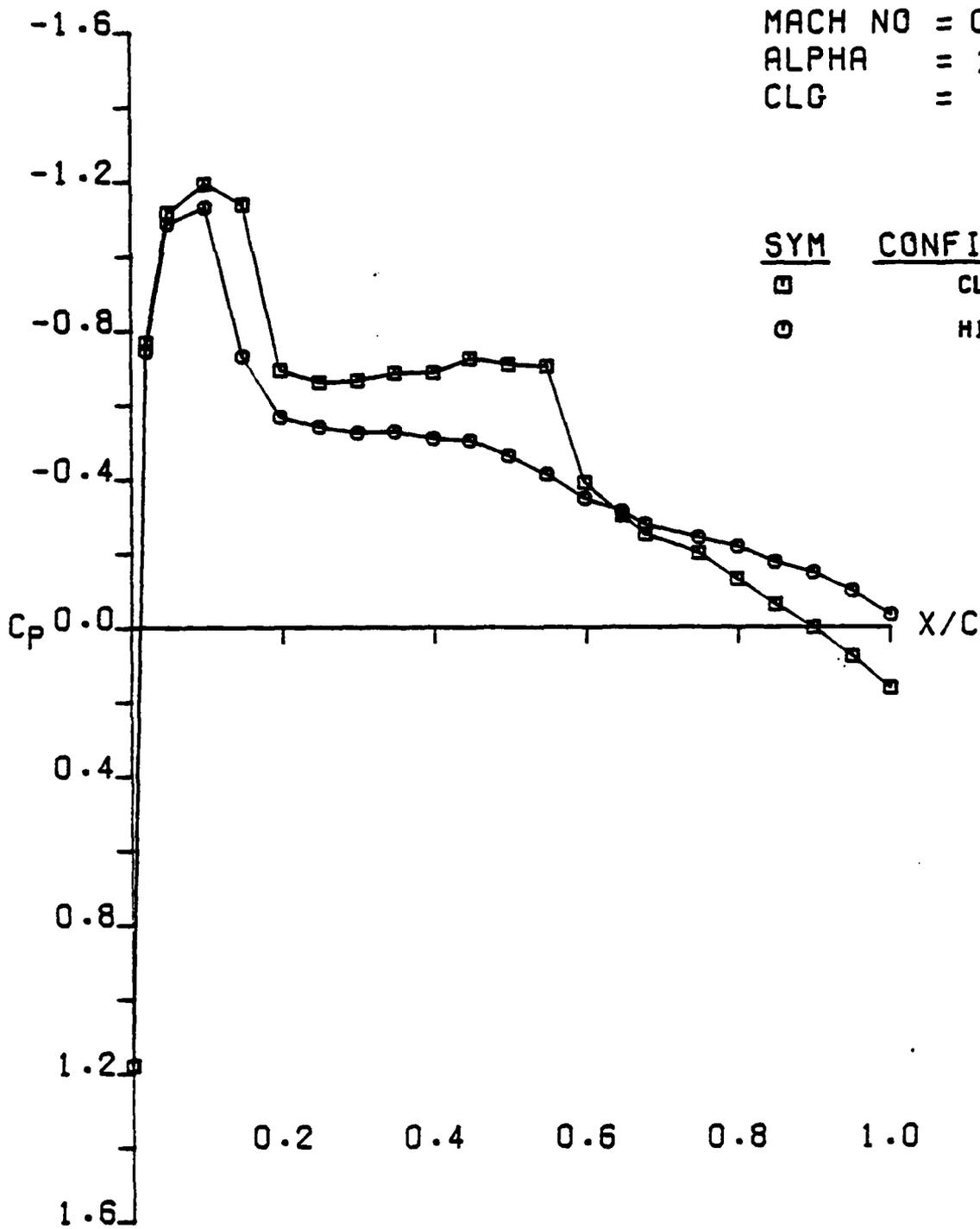


CONDITIONS

MACH NO = 0.218

ALPHA = 2.940

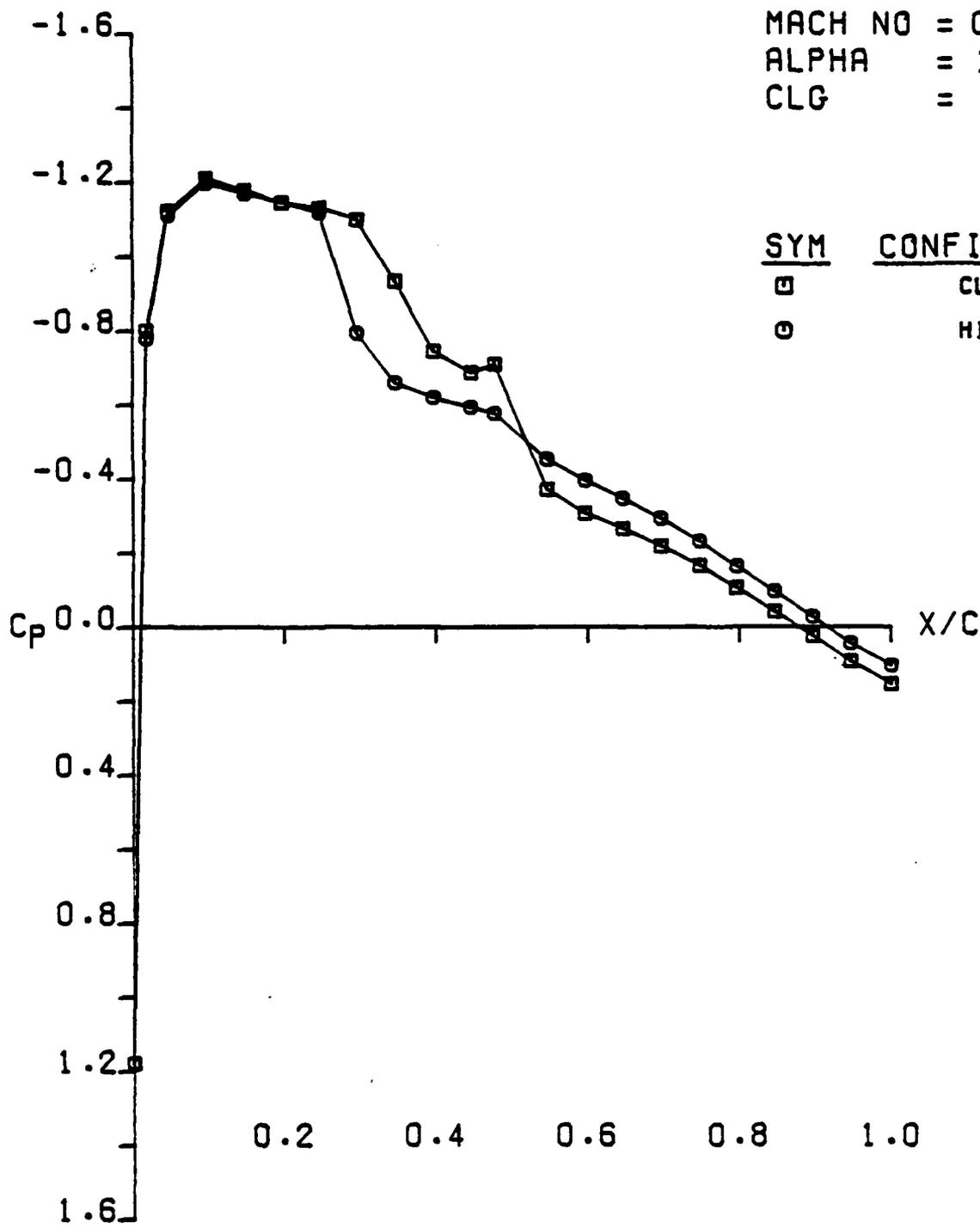
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

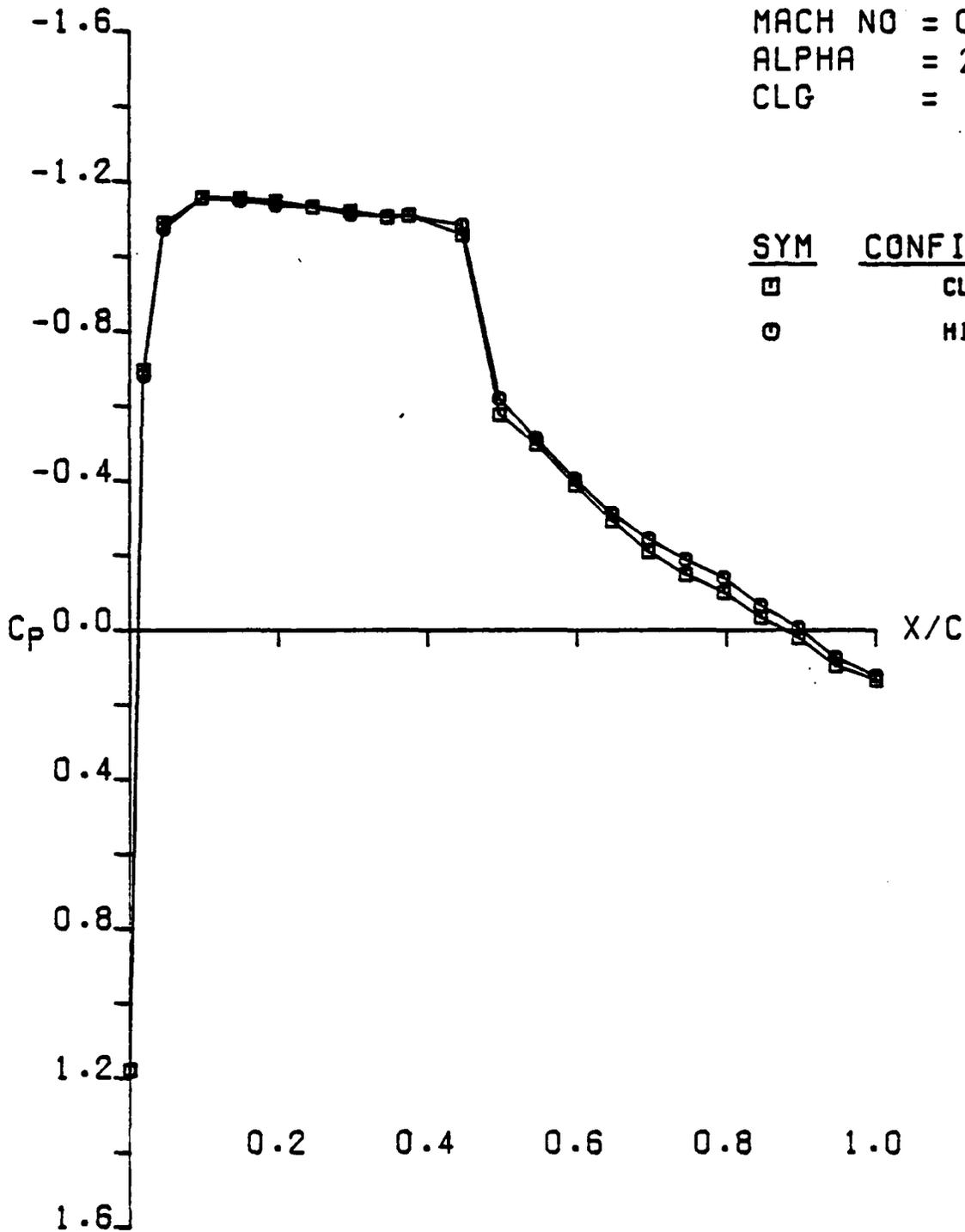
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



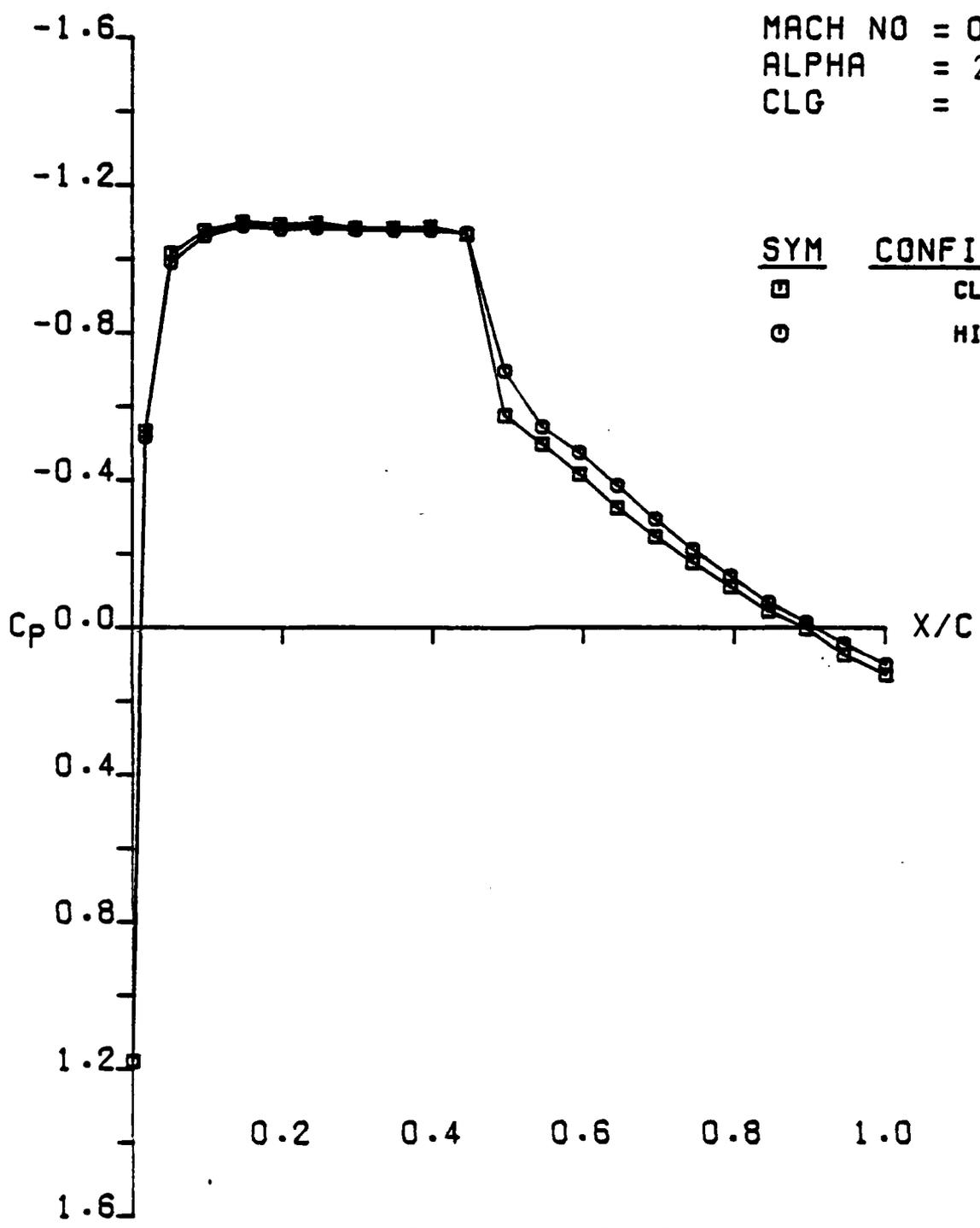
MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



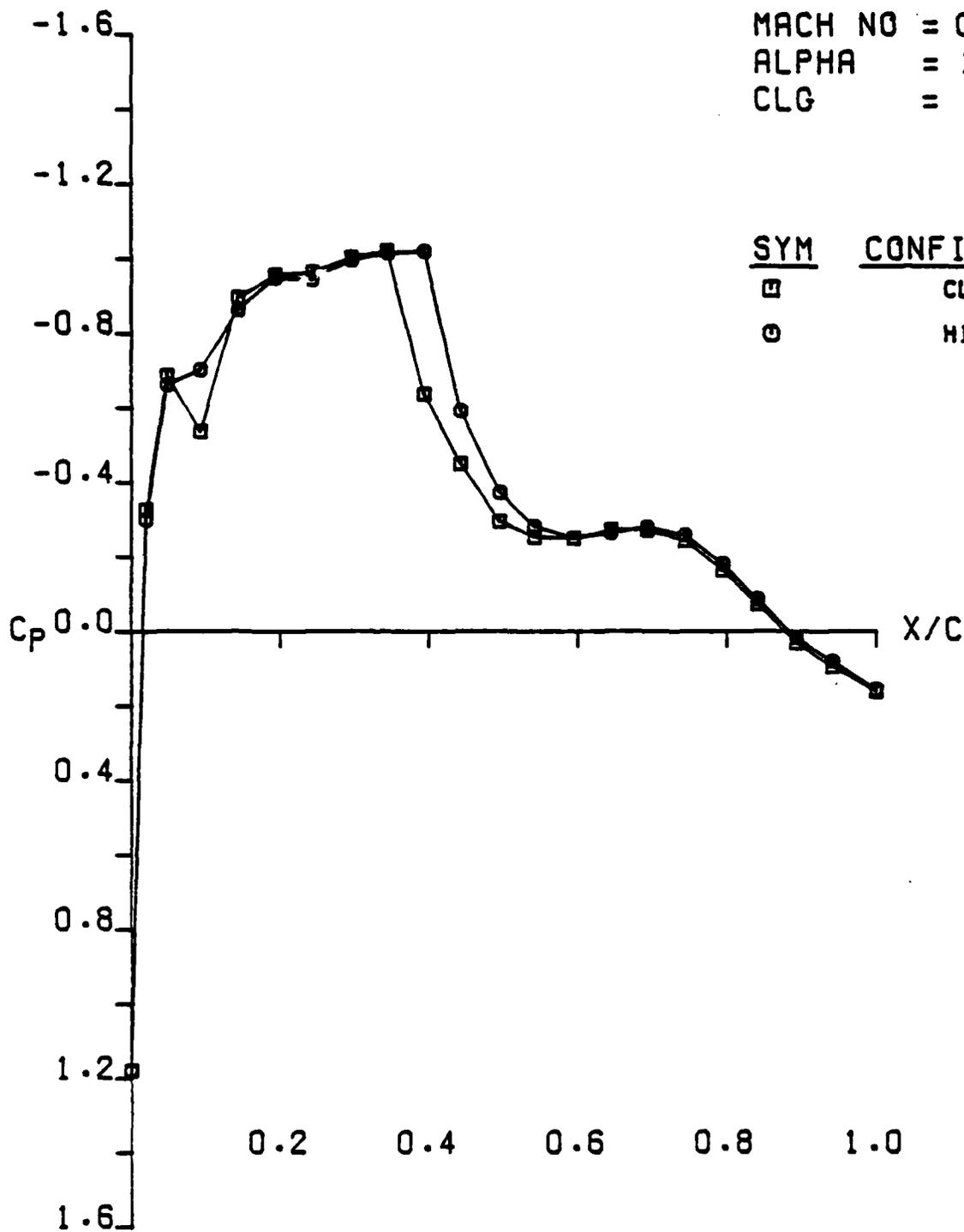
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

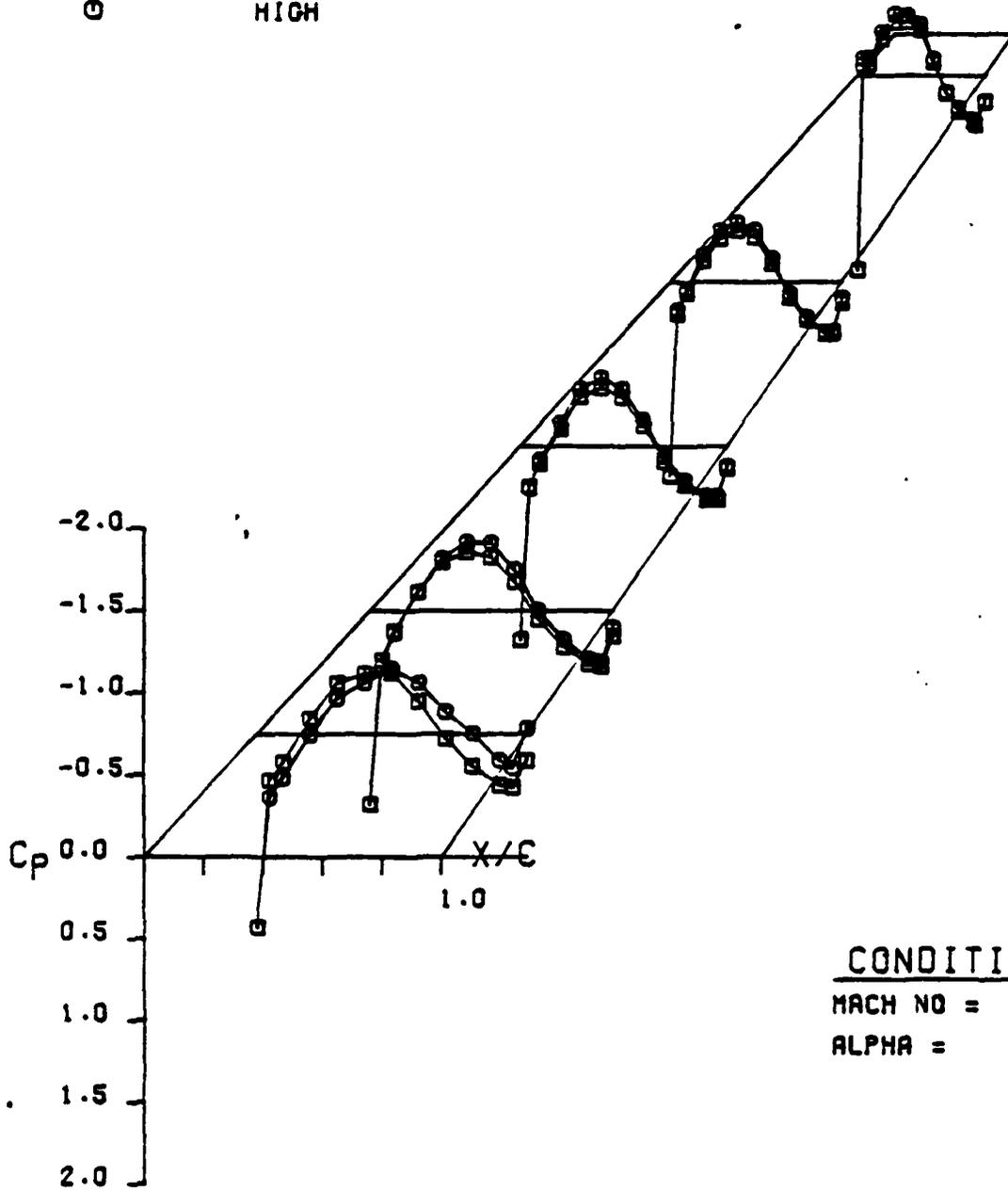
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



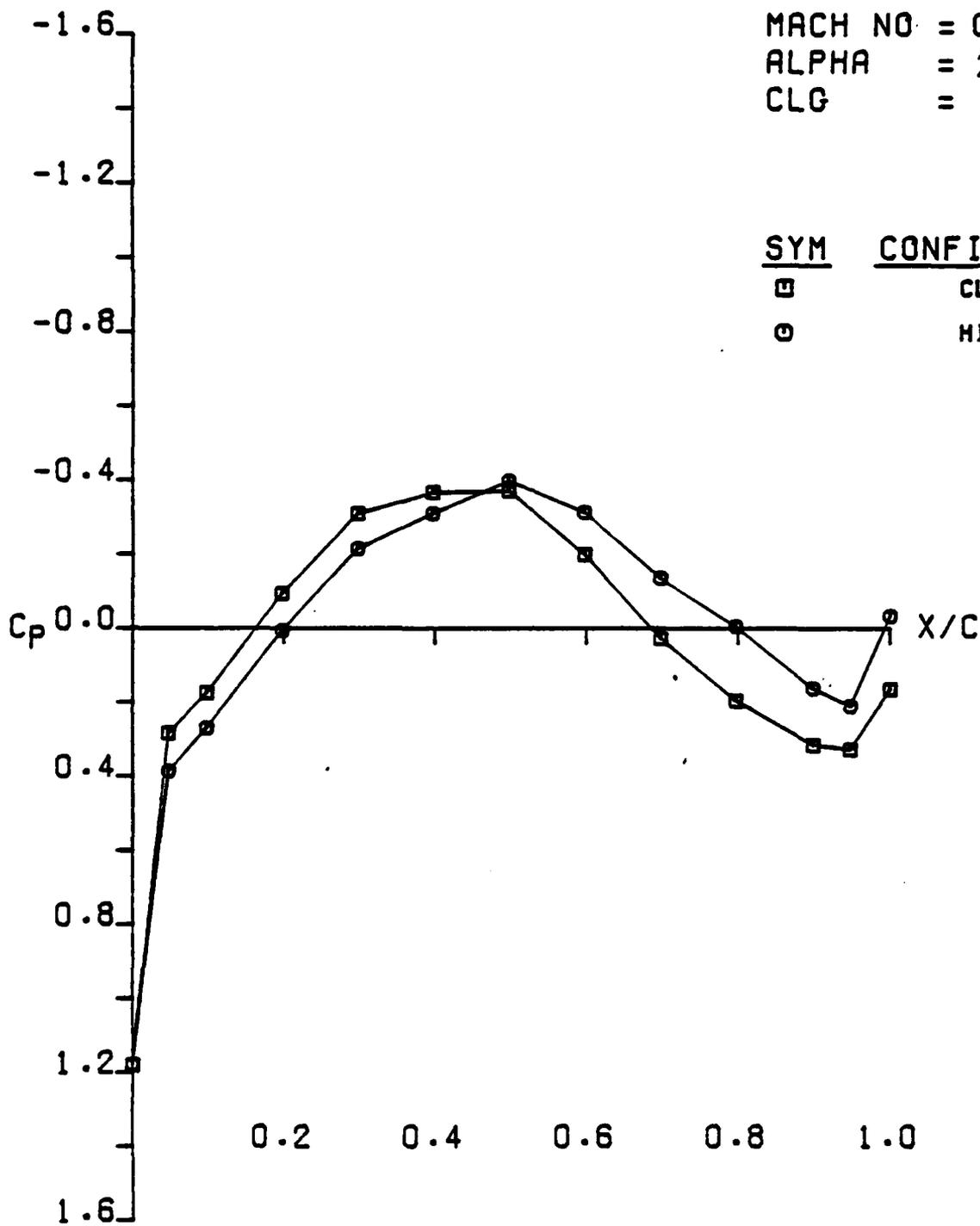
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ HIGH



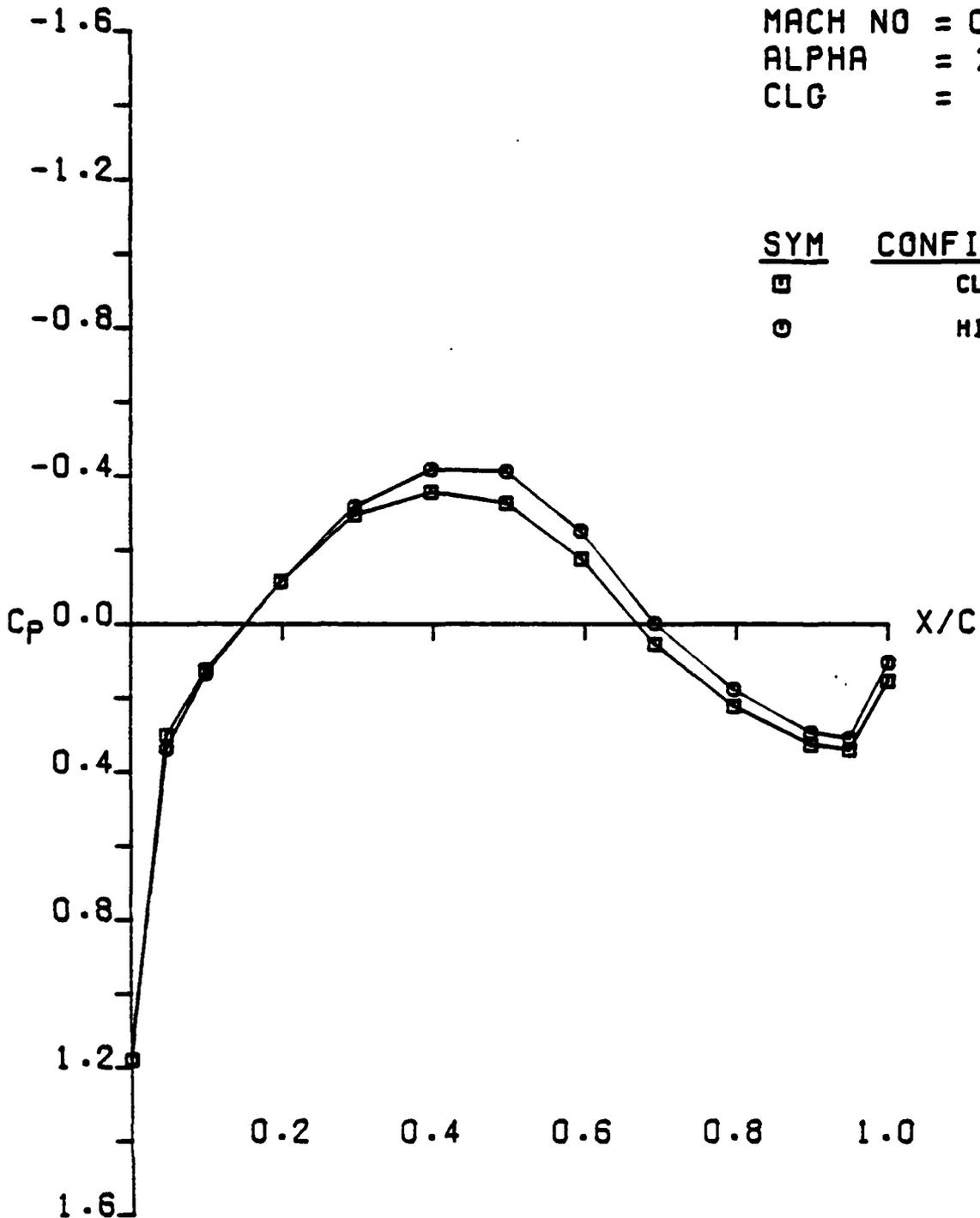
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (LWR SURF)
 AFOSR SEMISPAN MODEL A



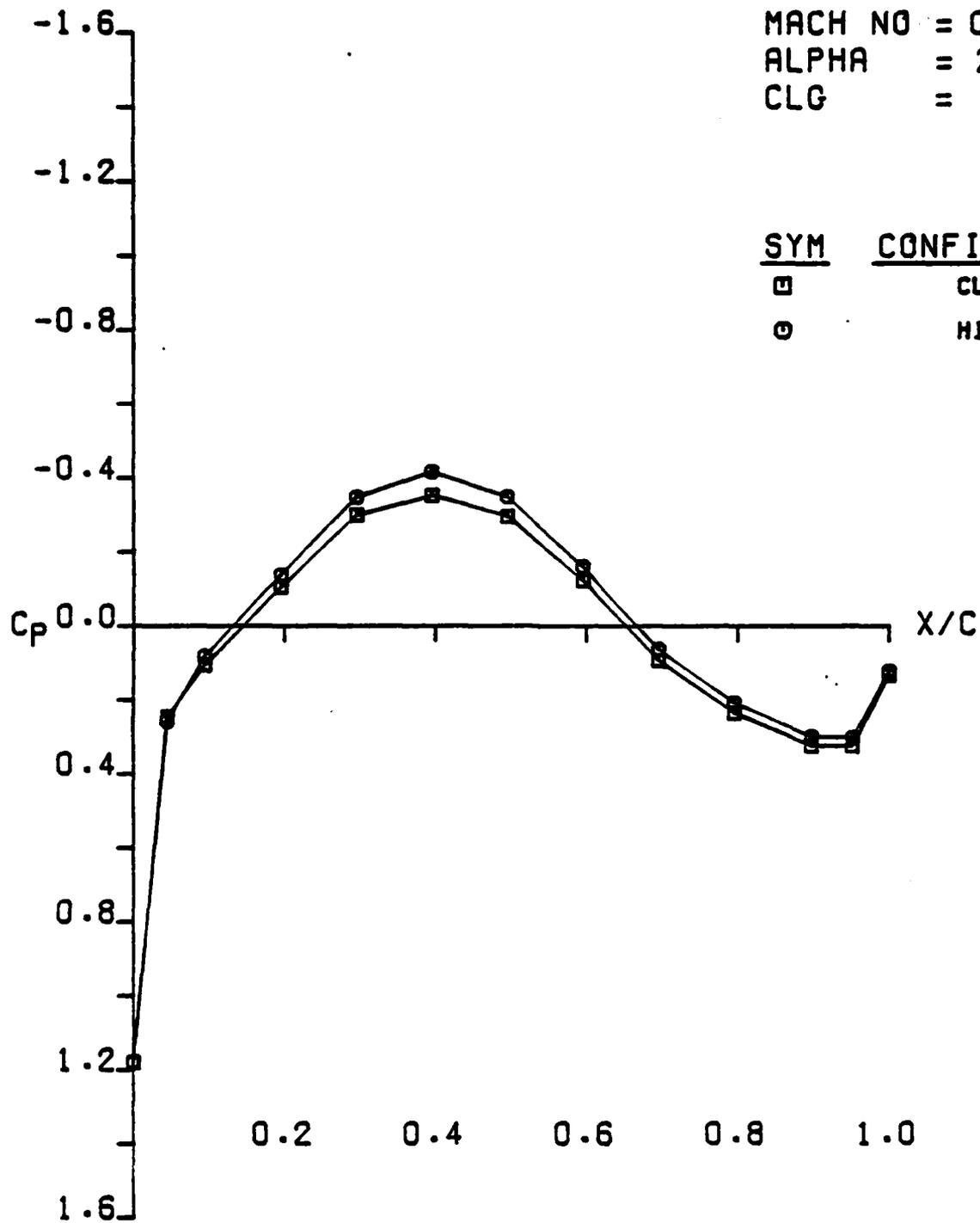
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



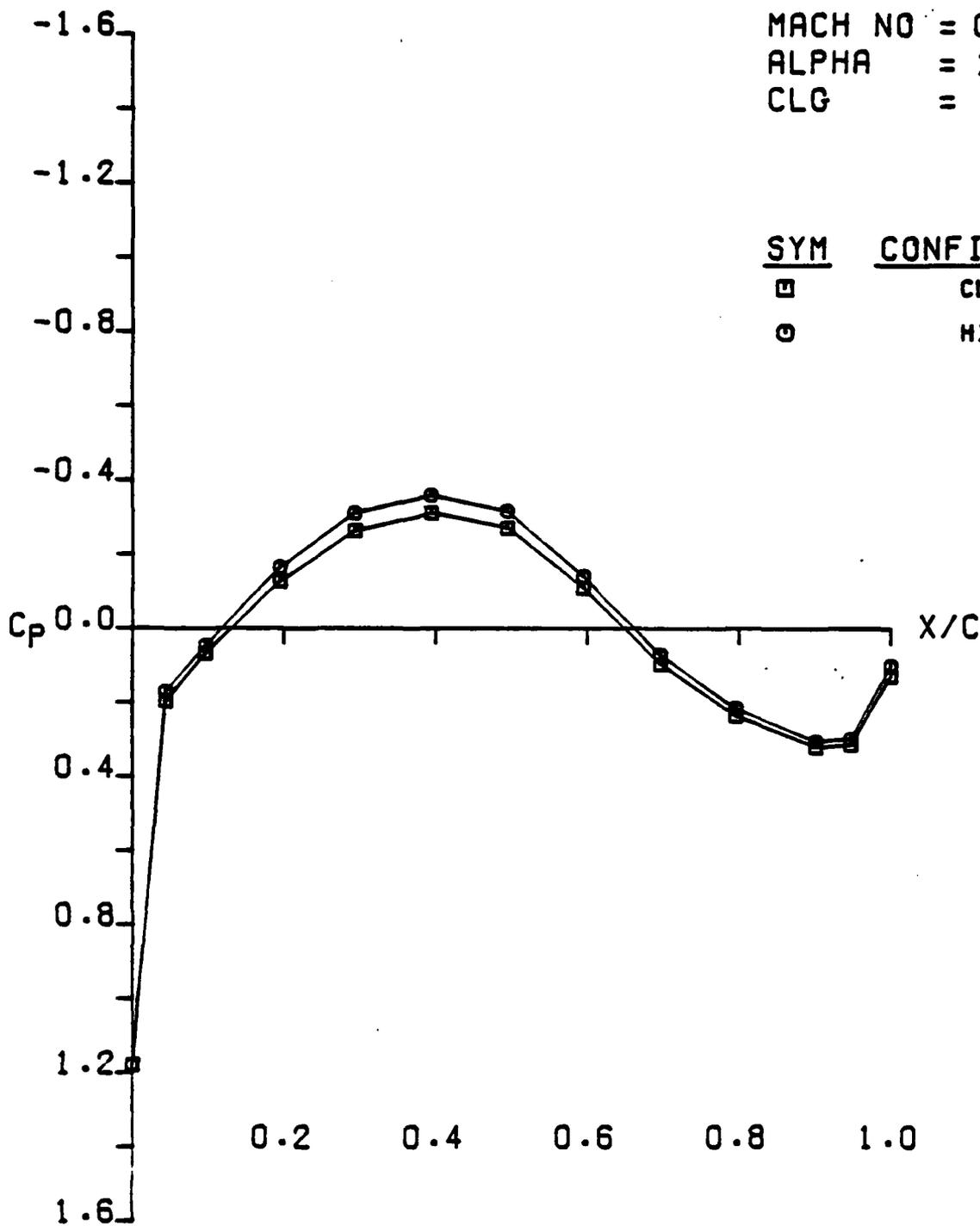
LOCKHEED CFWT SEMI-SPAN TEST. RUN 35
 CLN VS HIGH (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

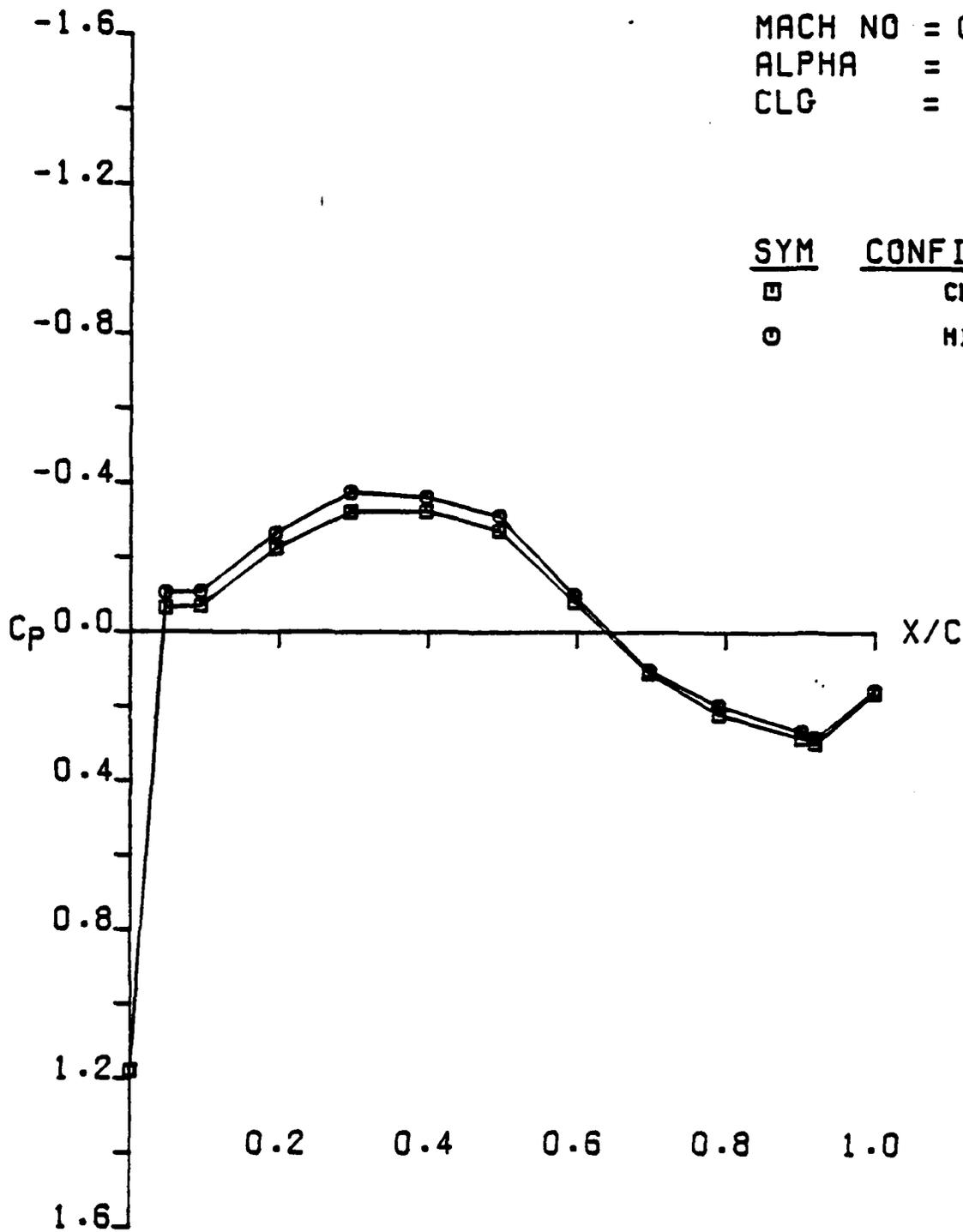
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

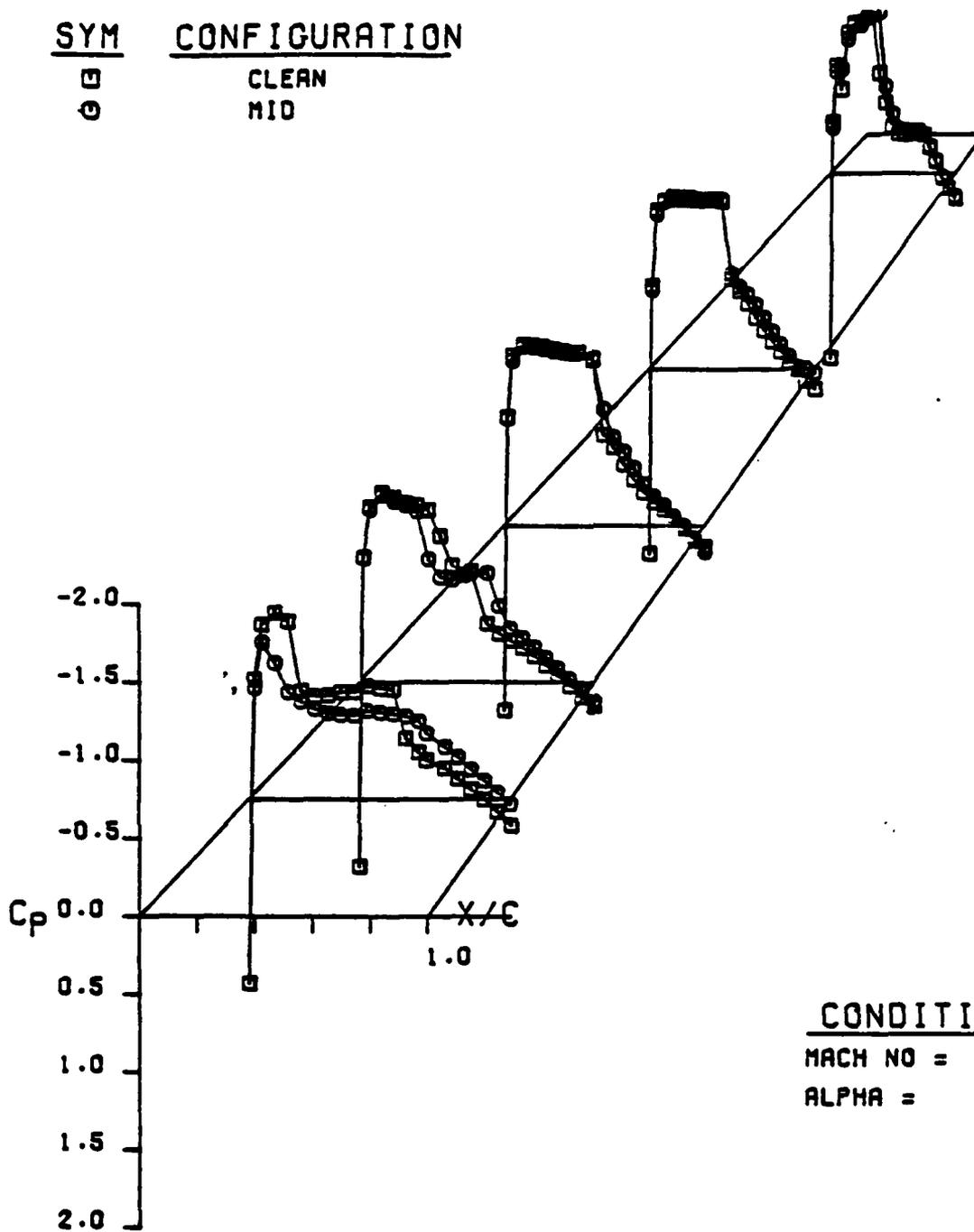
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS HIGH (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ MID

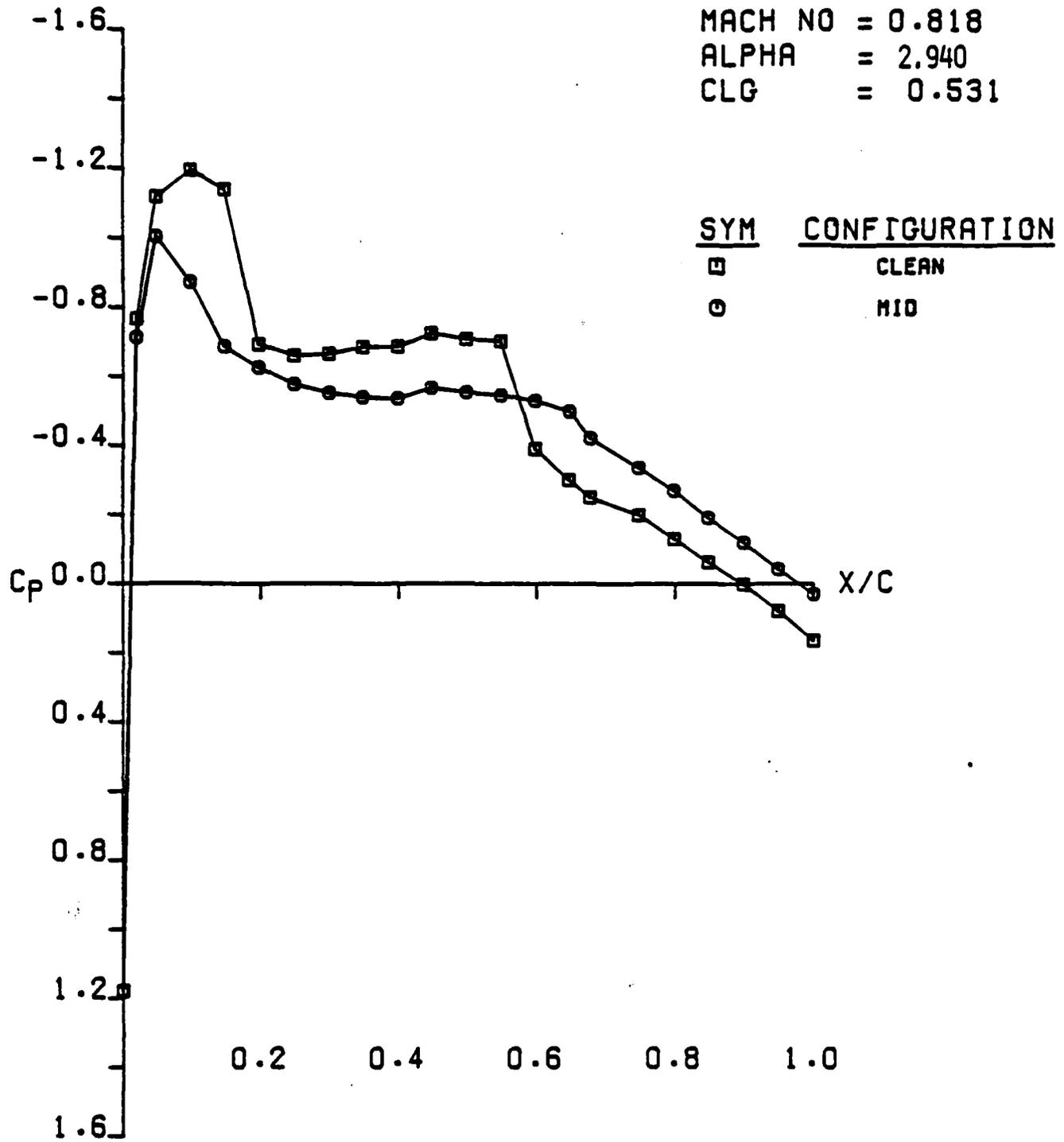


CONDITIONS

MACH NO = 0.818
 ALPHA = 2.940

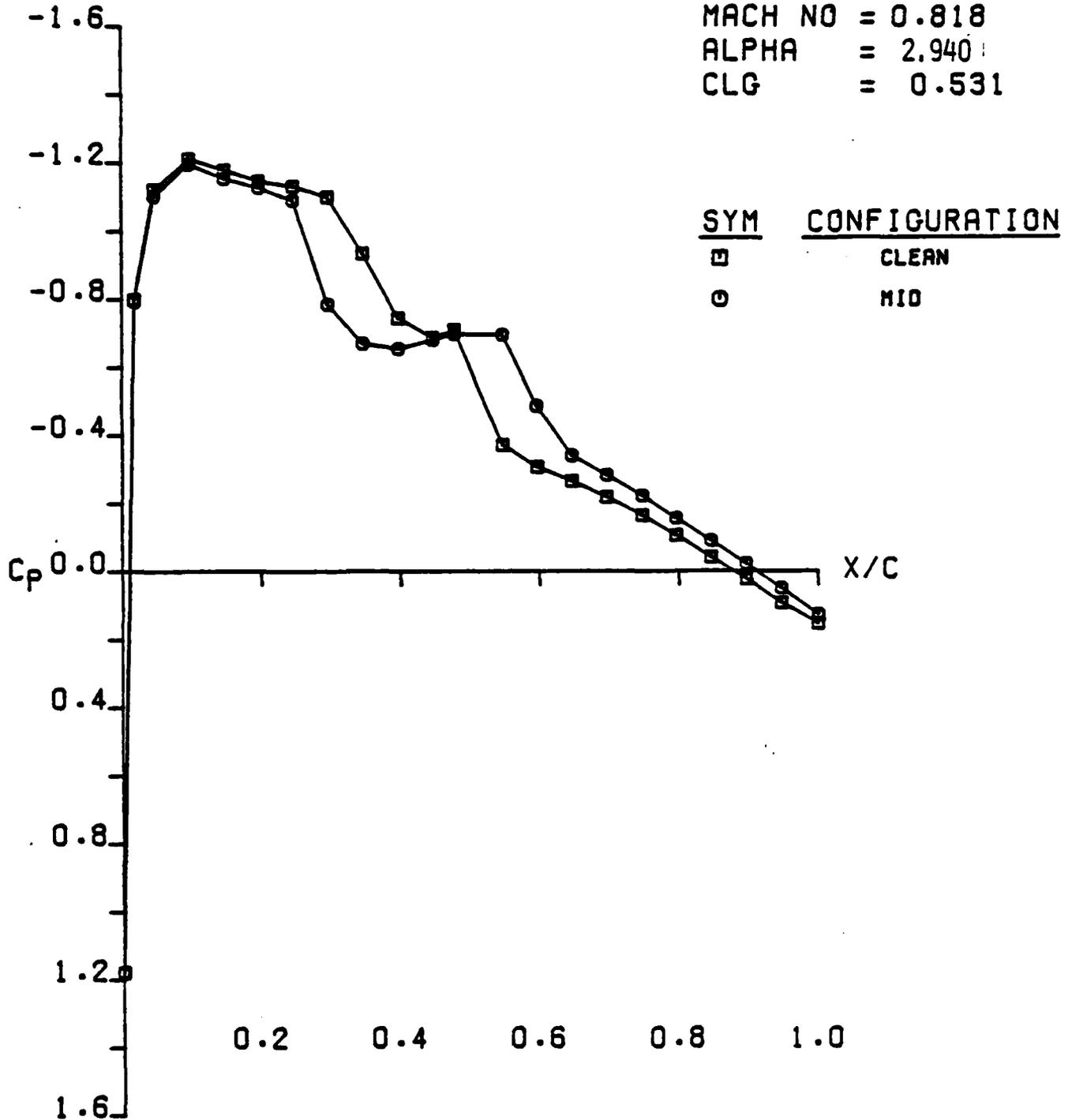
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531



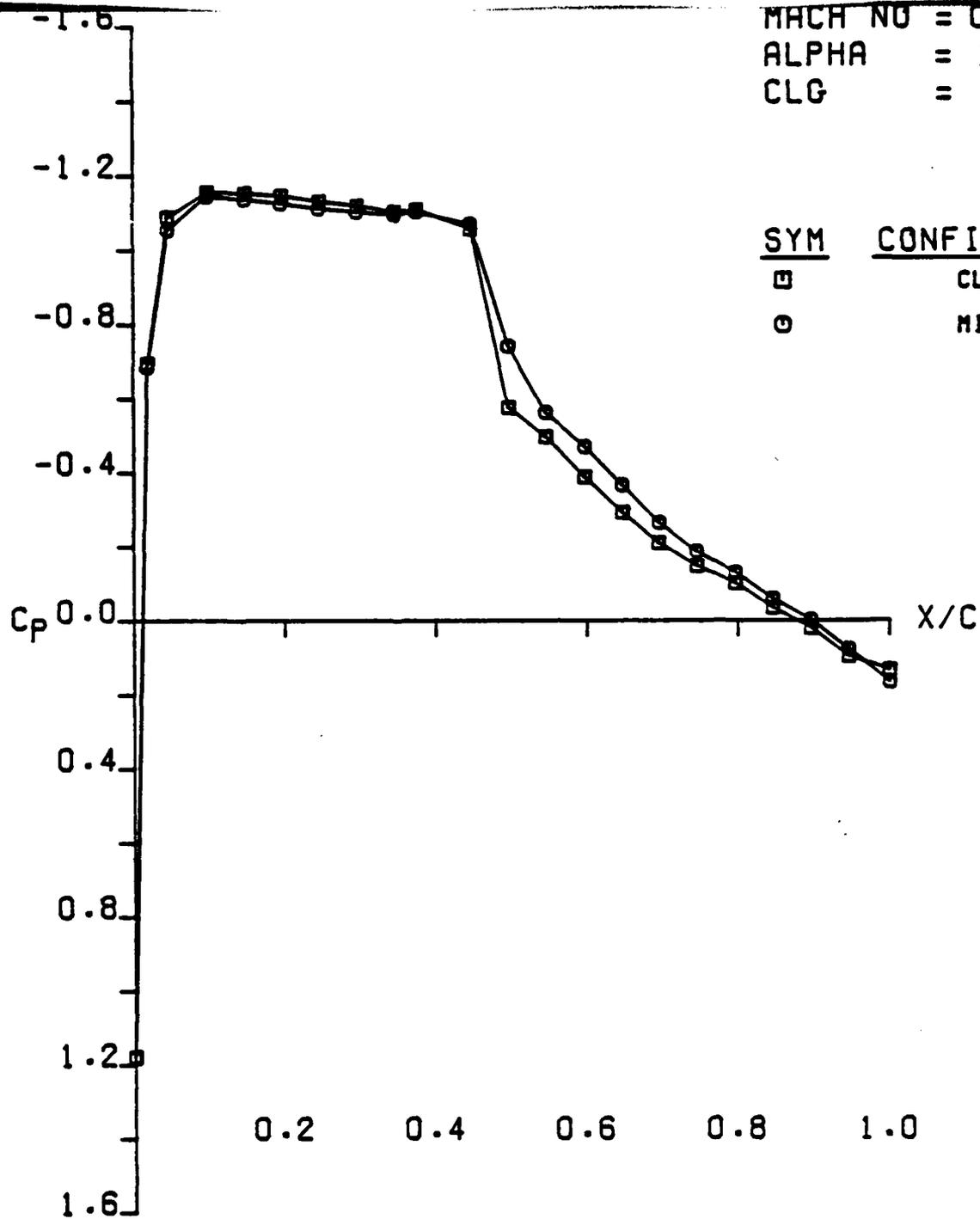
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

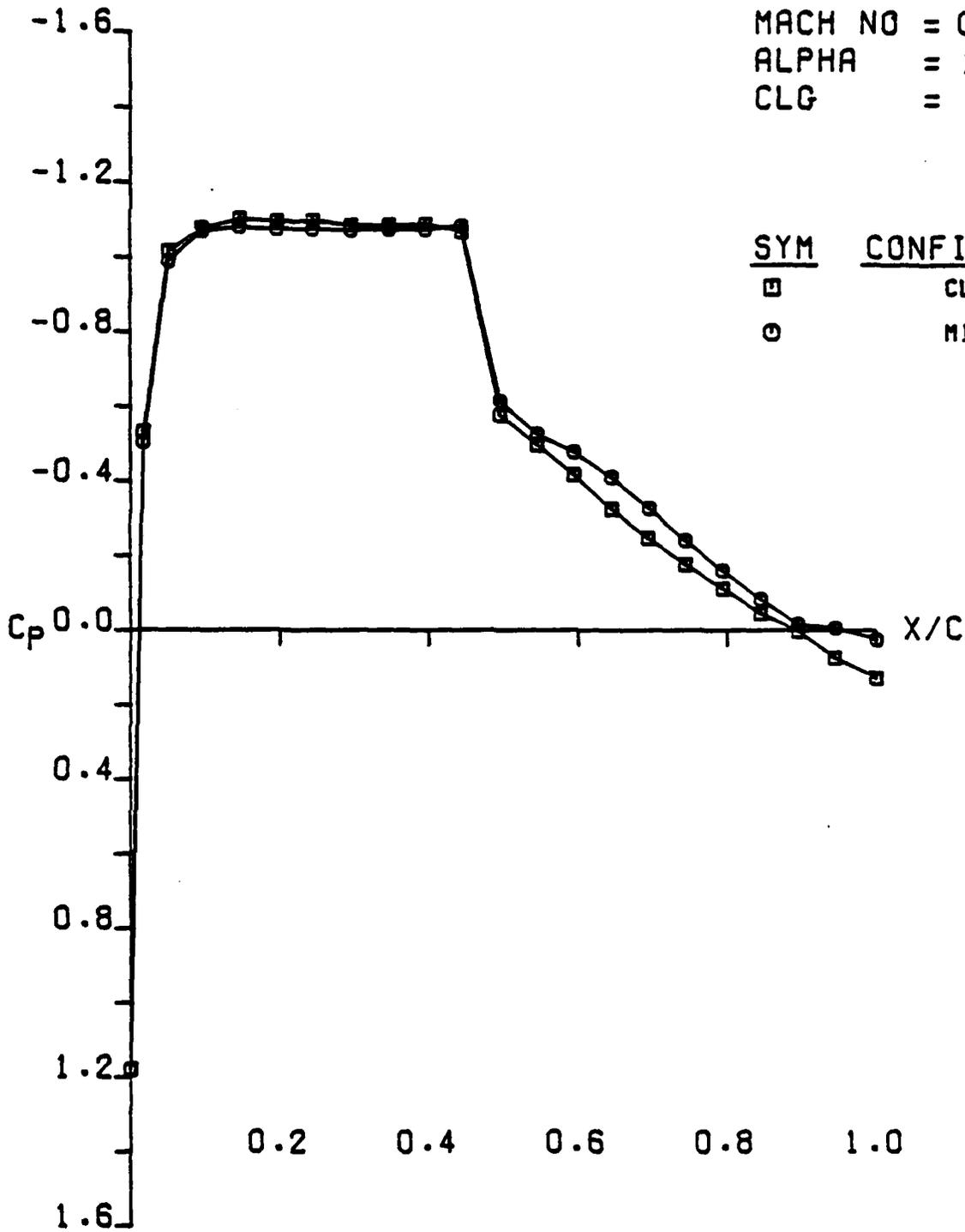


SYM	CONFIGURATION
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (UPR SURF ETA .50)
 AFOSR SEMISPAN MODEL A

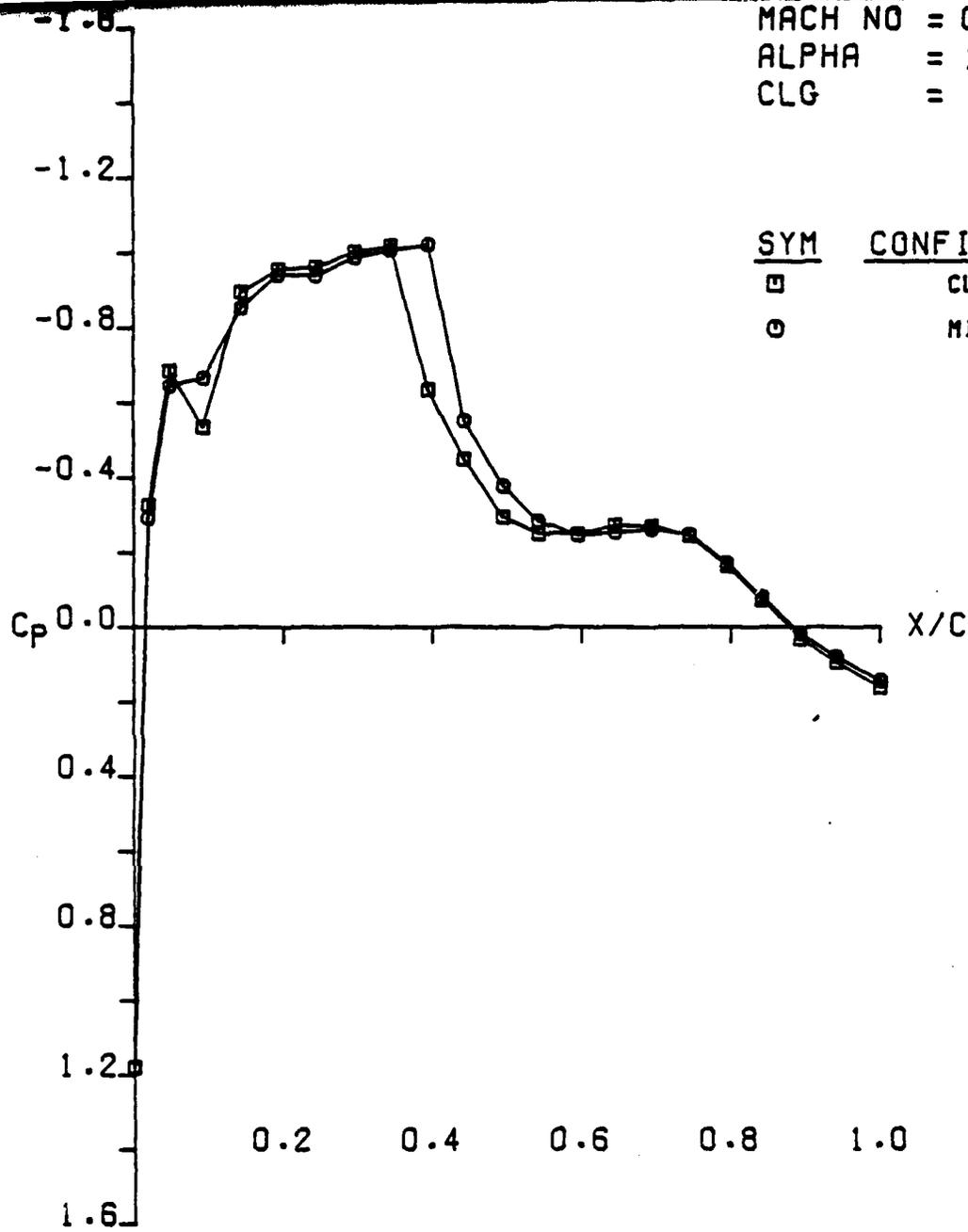
MACH NO = 0.818
ALPHA = 2.940
CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
CLN VS MID (UPR SURF ETA .70)
AFOSR SEMISPAN MODEL A

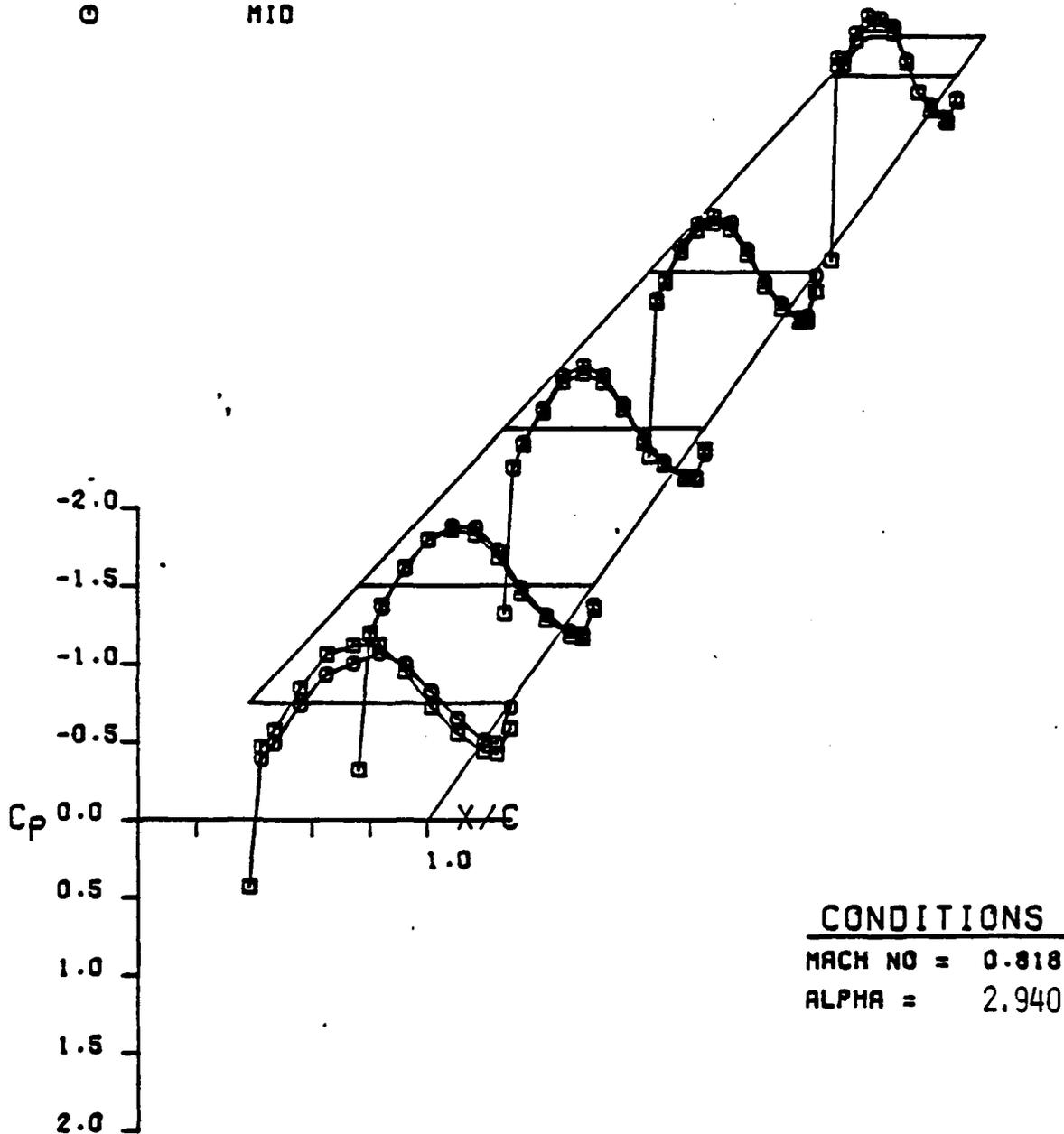
MACH NO = 0.818
ALPHA = 2.940
CLG = 0.531



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
CLN VS MID (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

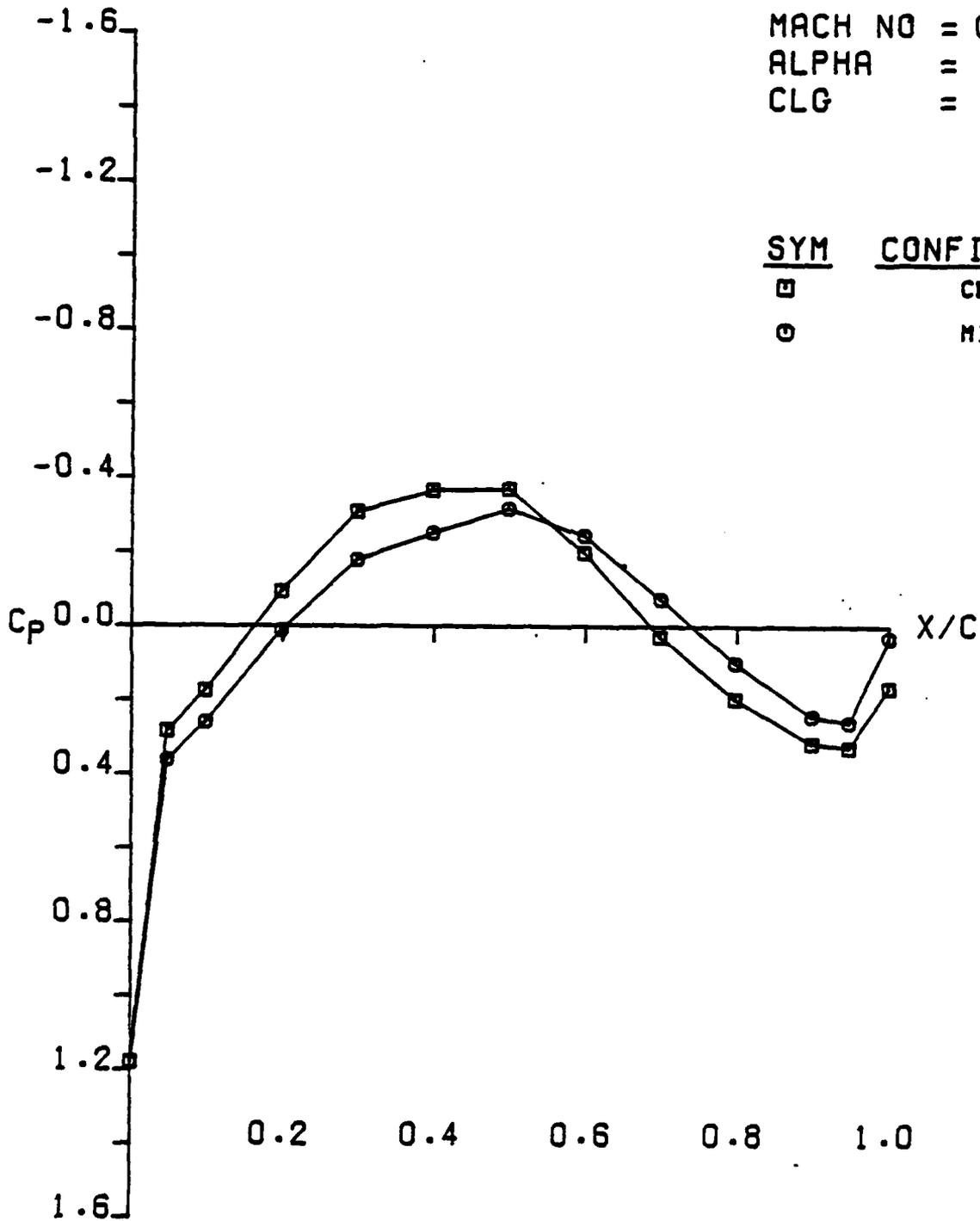
□ CLEAN
 ○ MID



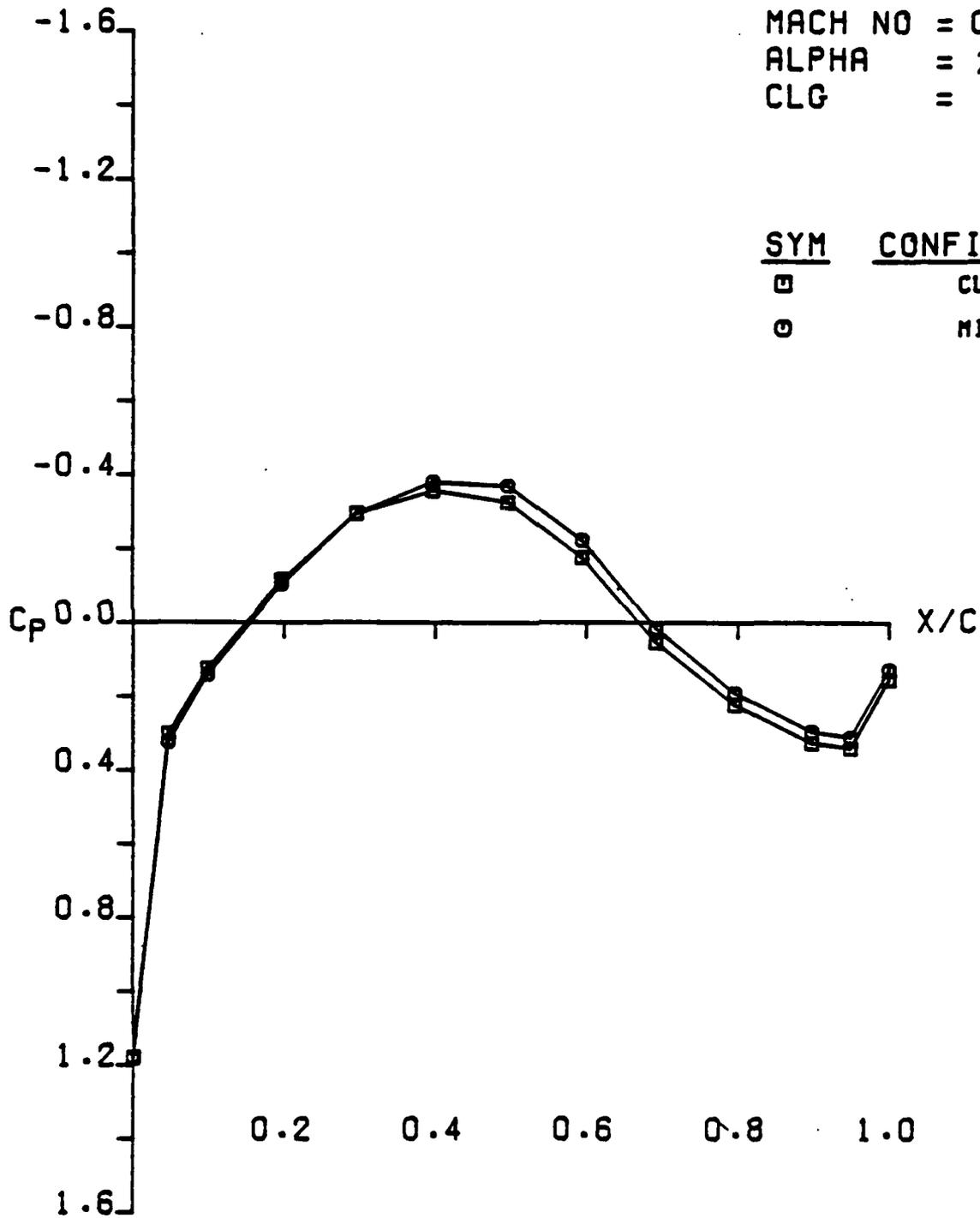
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (LWR SURF)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



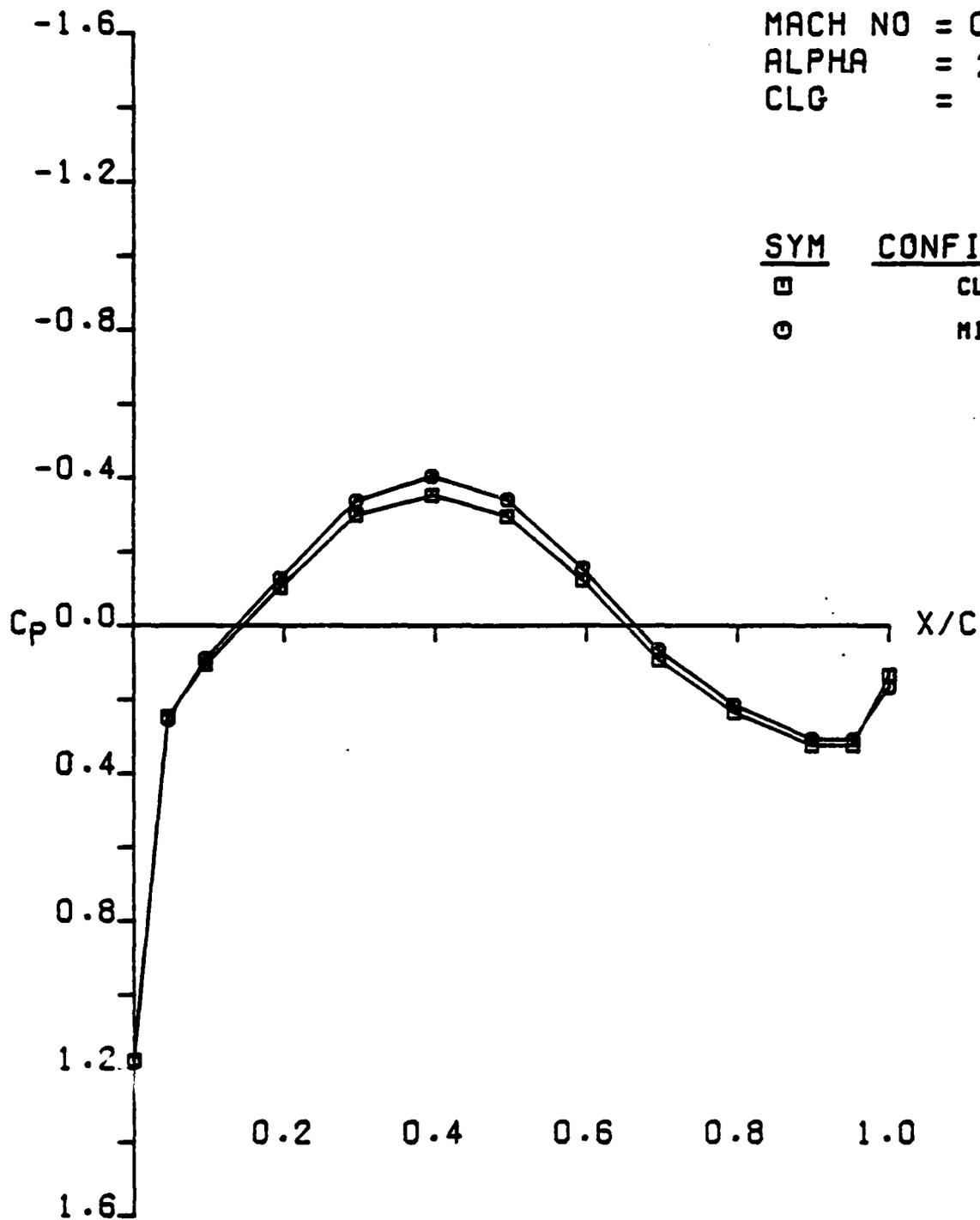
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

SYM	CONFIGURATION
□	CLEAN
○	MID

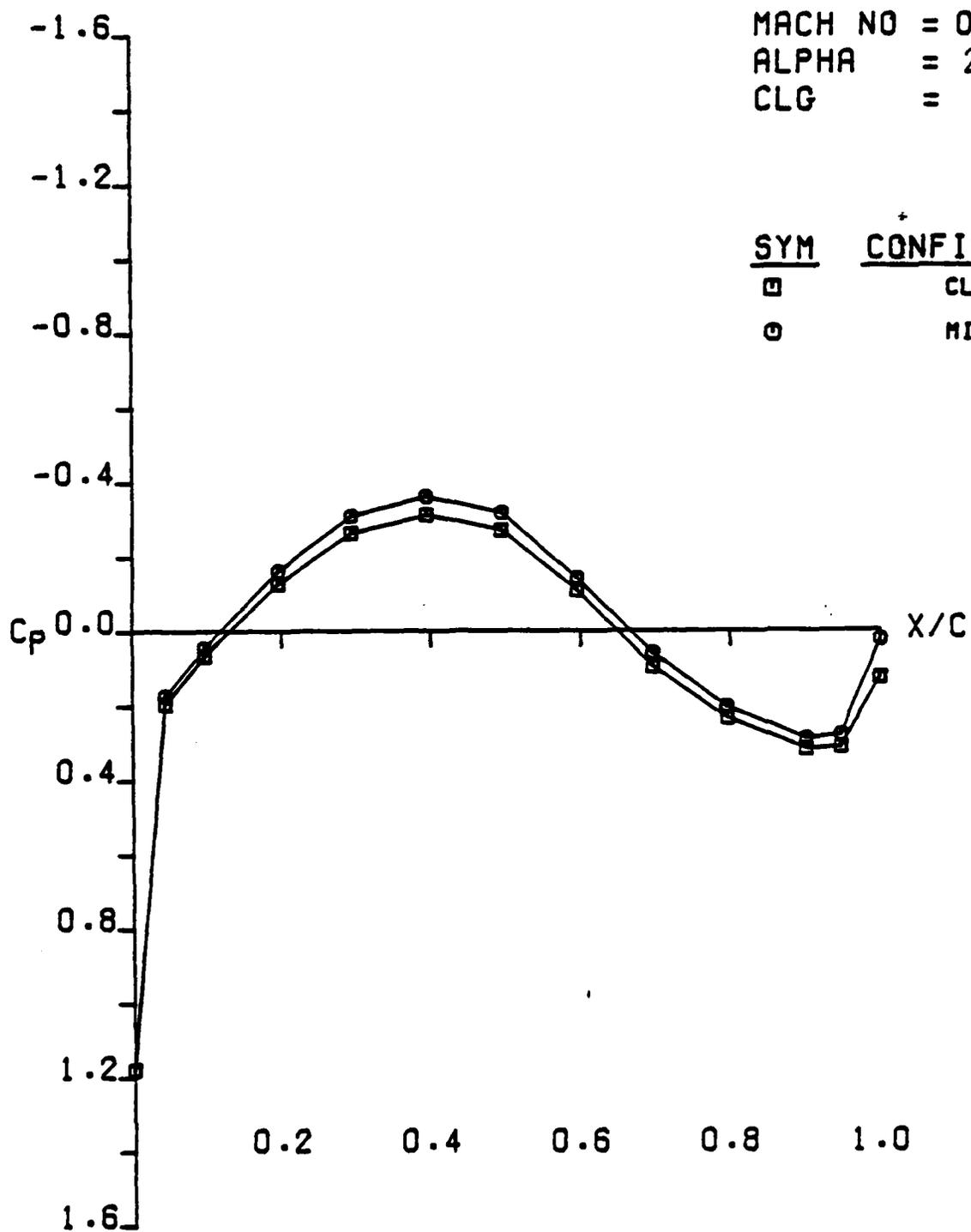
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

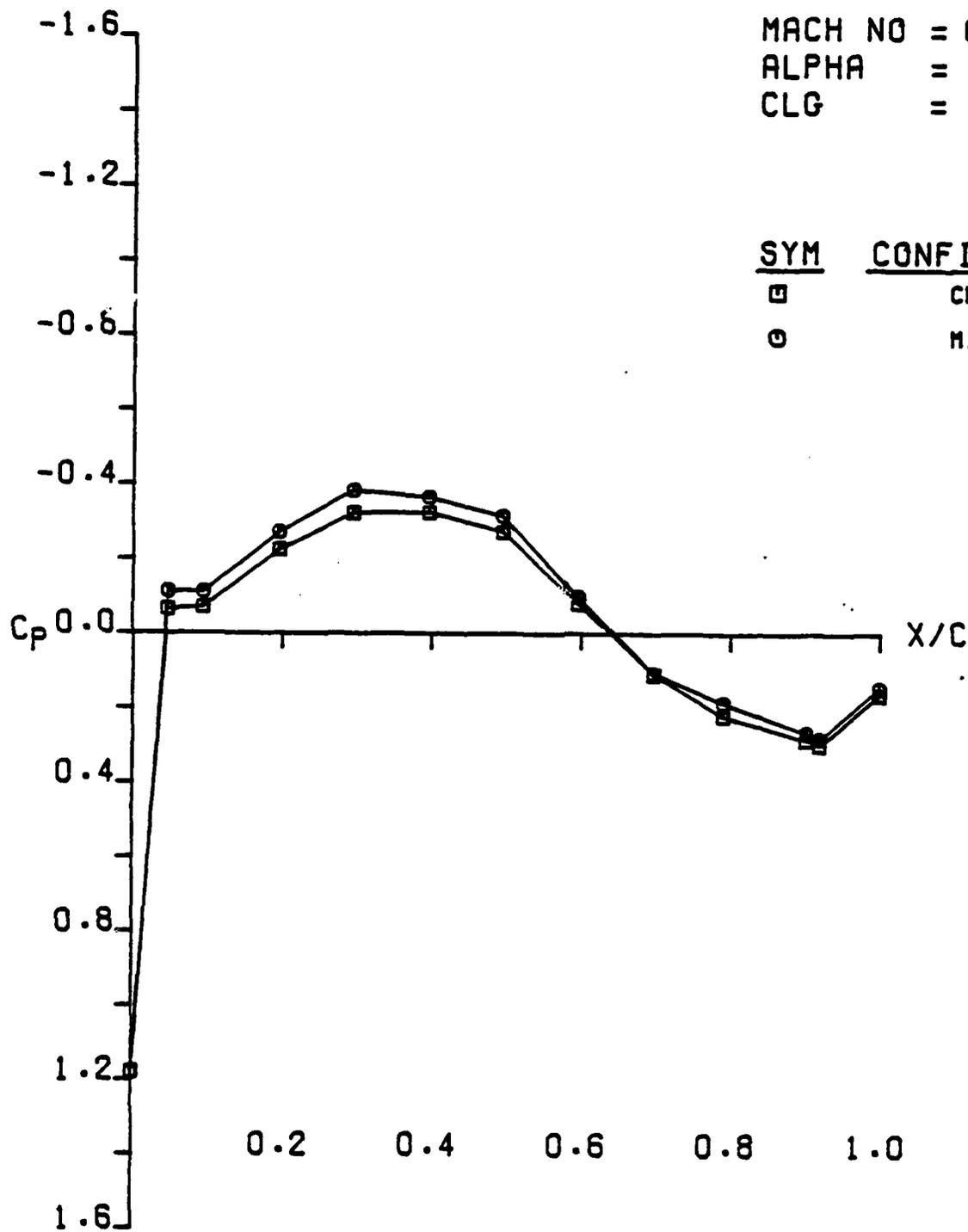
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (LWR SURF ETA .50)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A
 236



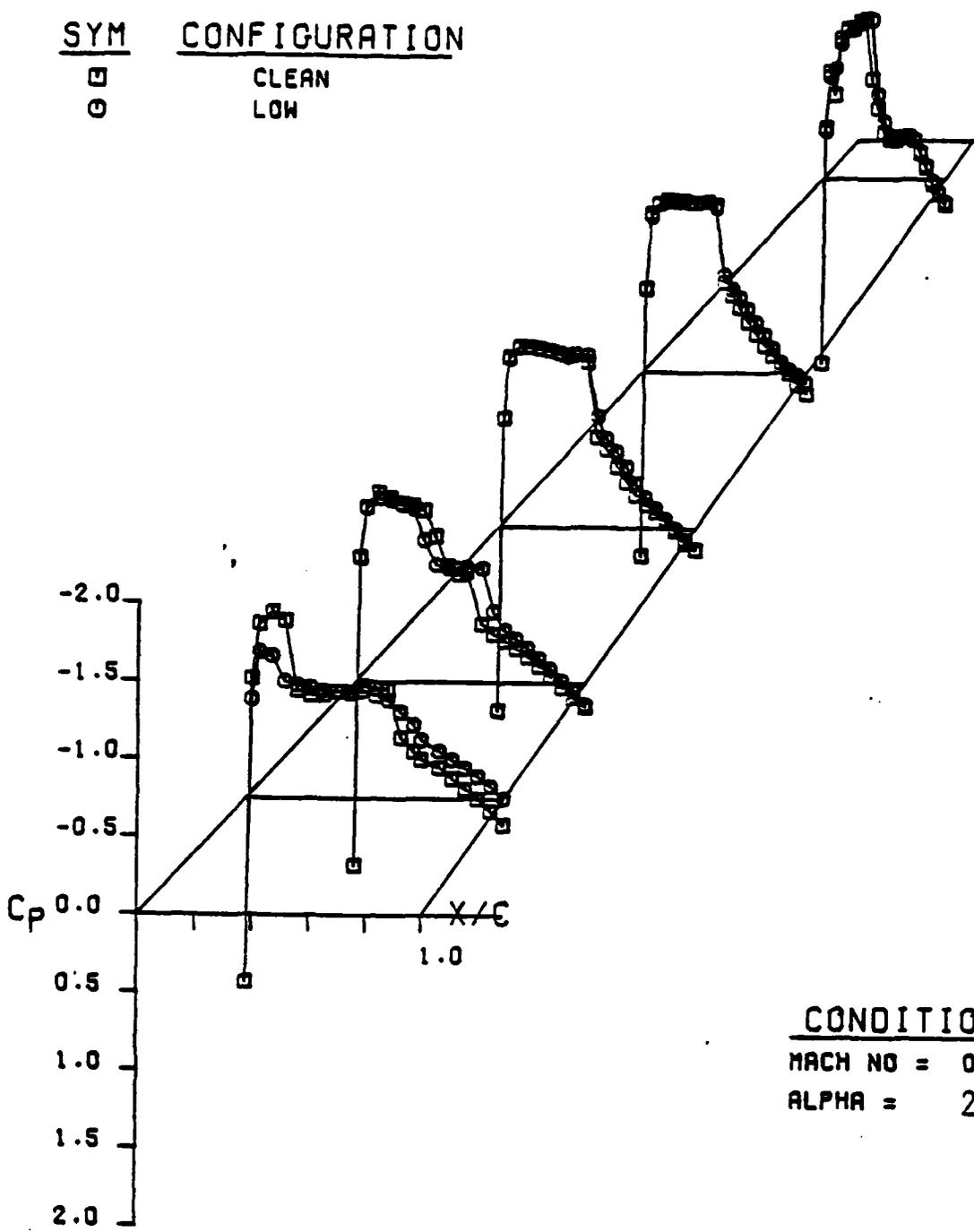
MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

SYM	CONFIGURATION
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS MID (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ LOW



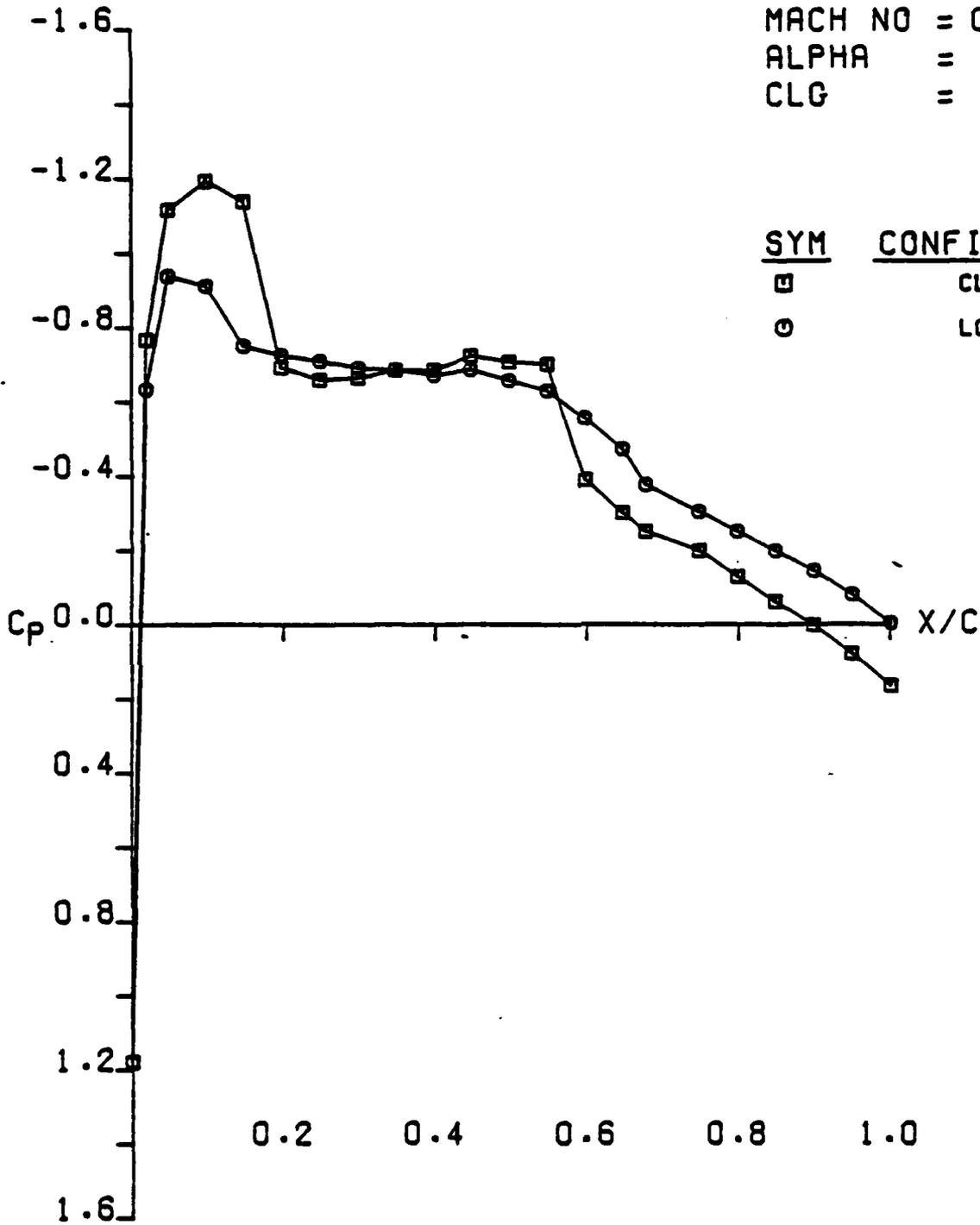
CONDITIONS

MACH NO = 0.818
 ALPHA = 2.940

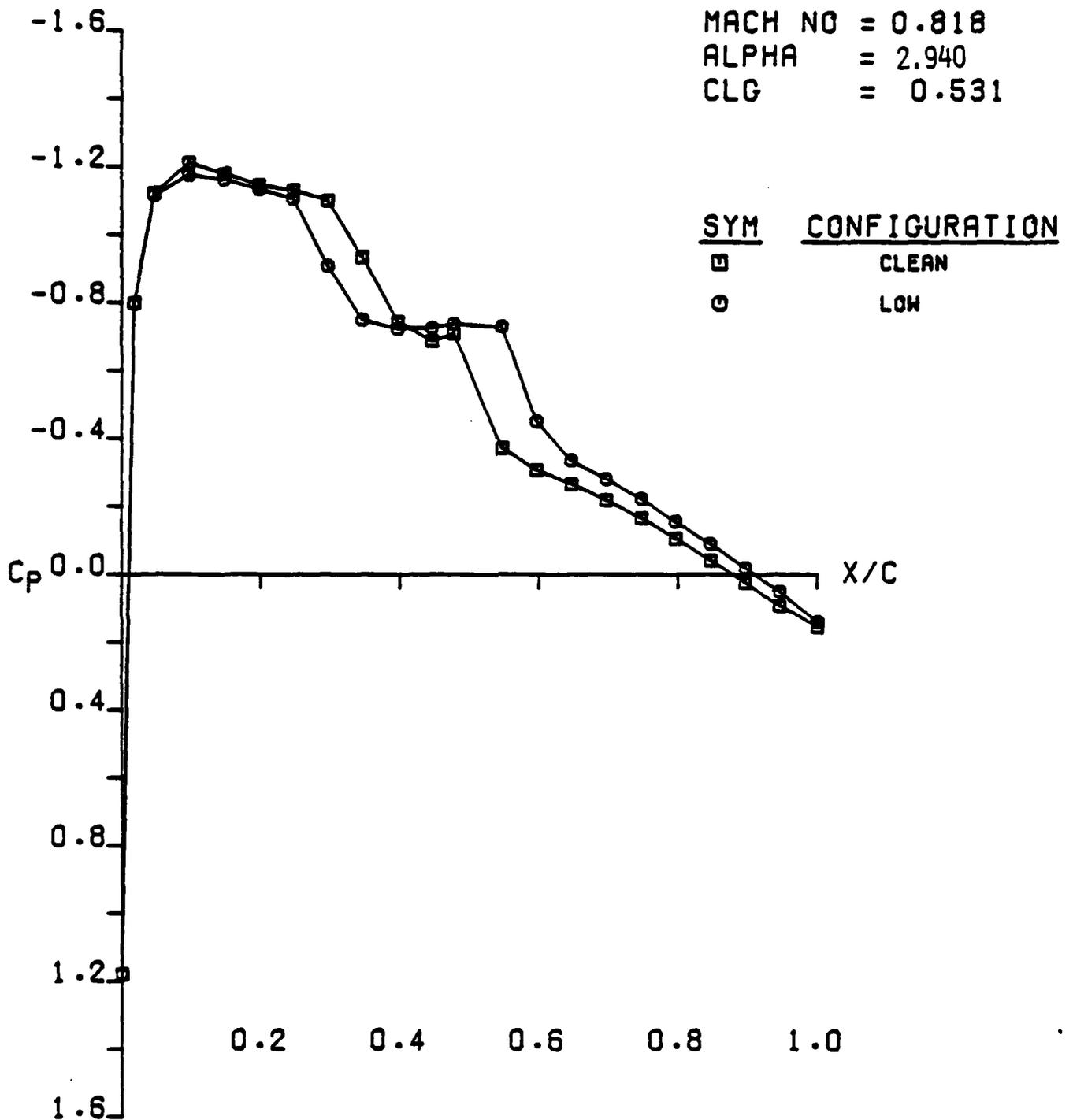
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (UPR SURF)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

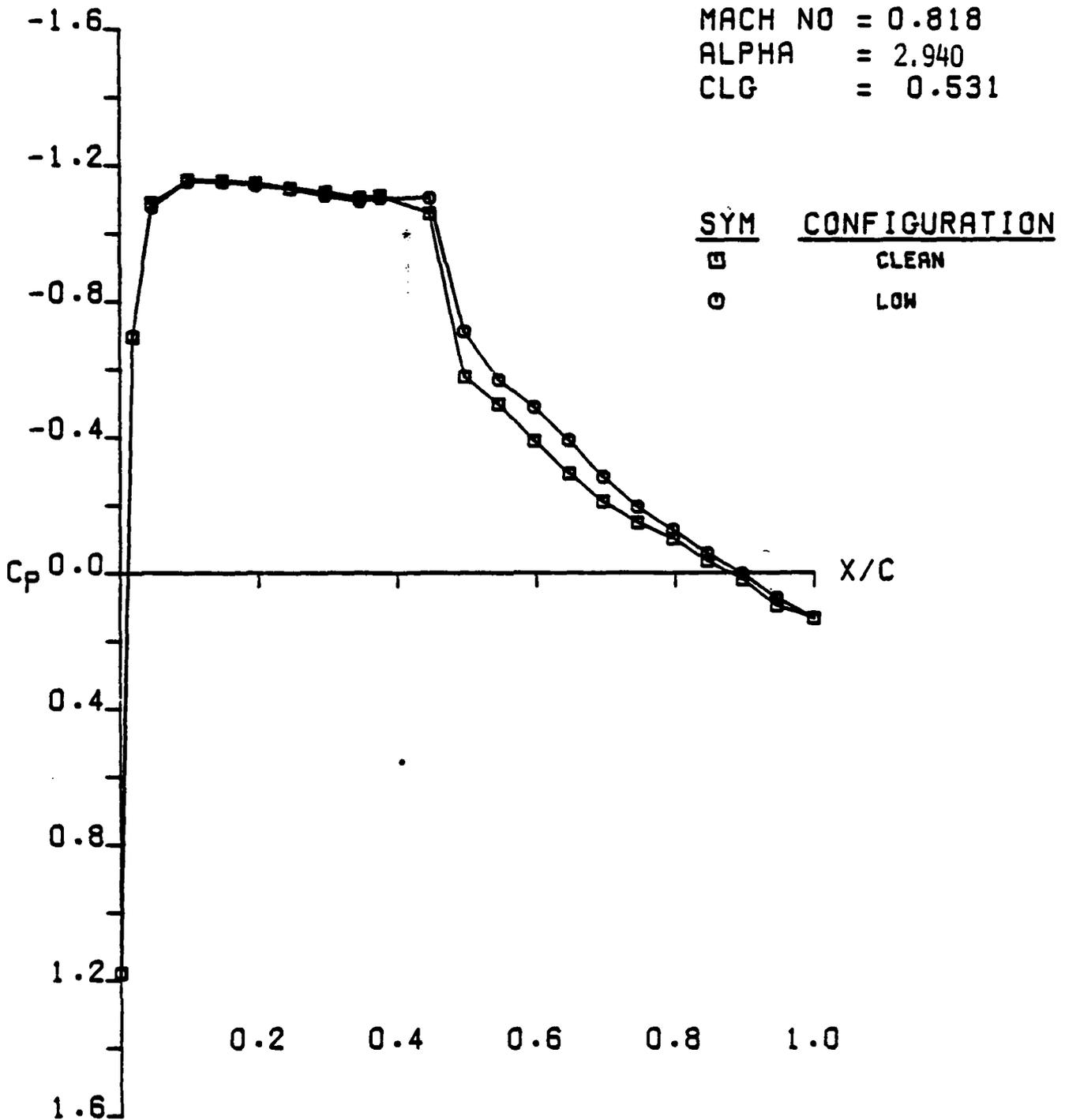


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (UPR SURF ETA .15)
 AFOSR SEMISPAN MODEL A

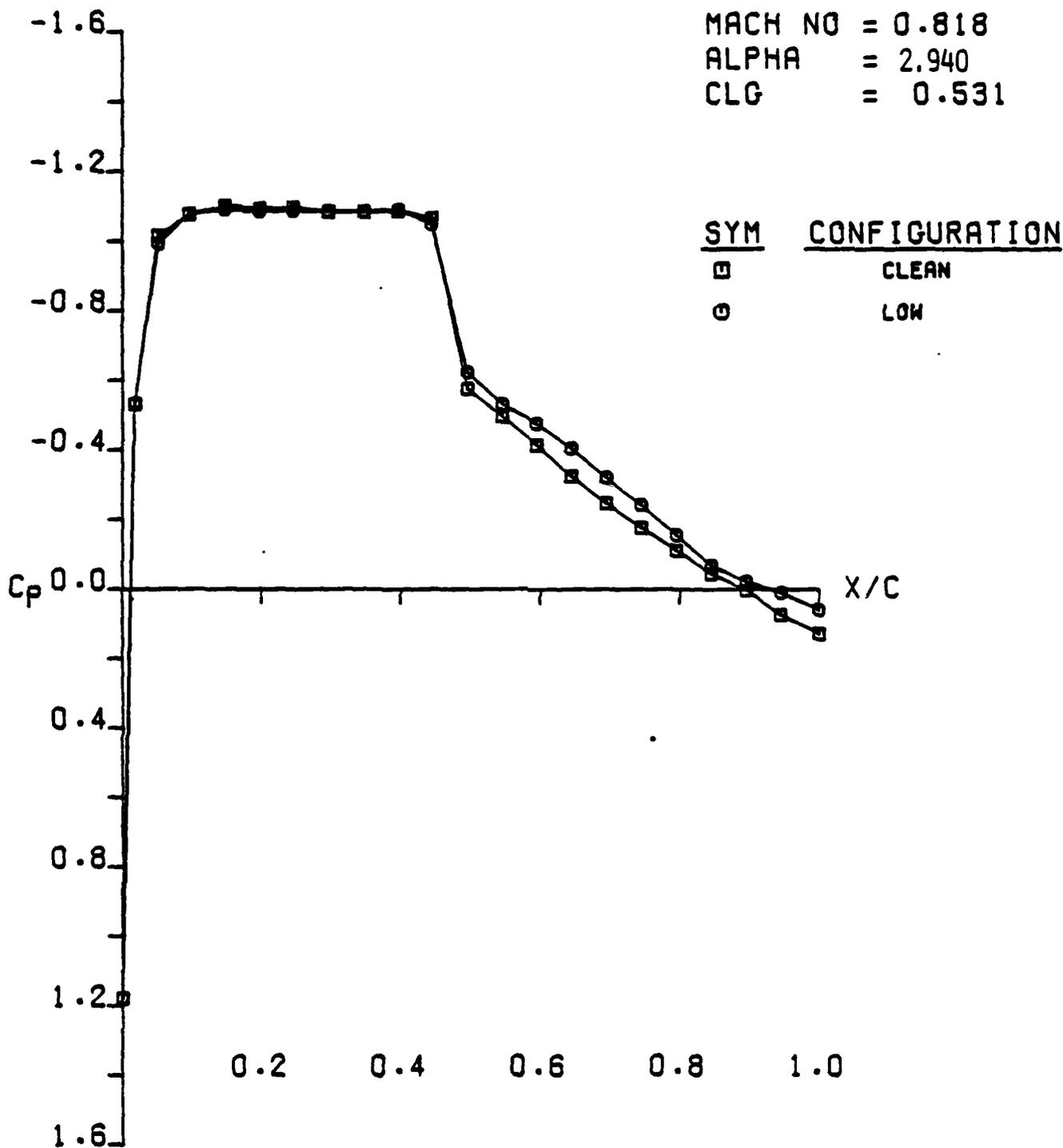


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (UPR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.818
ALPHA = 2.940
CLG = 0.531



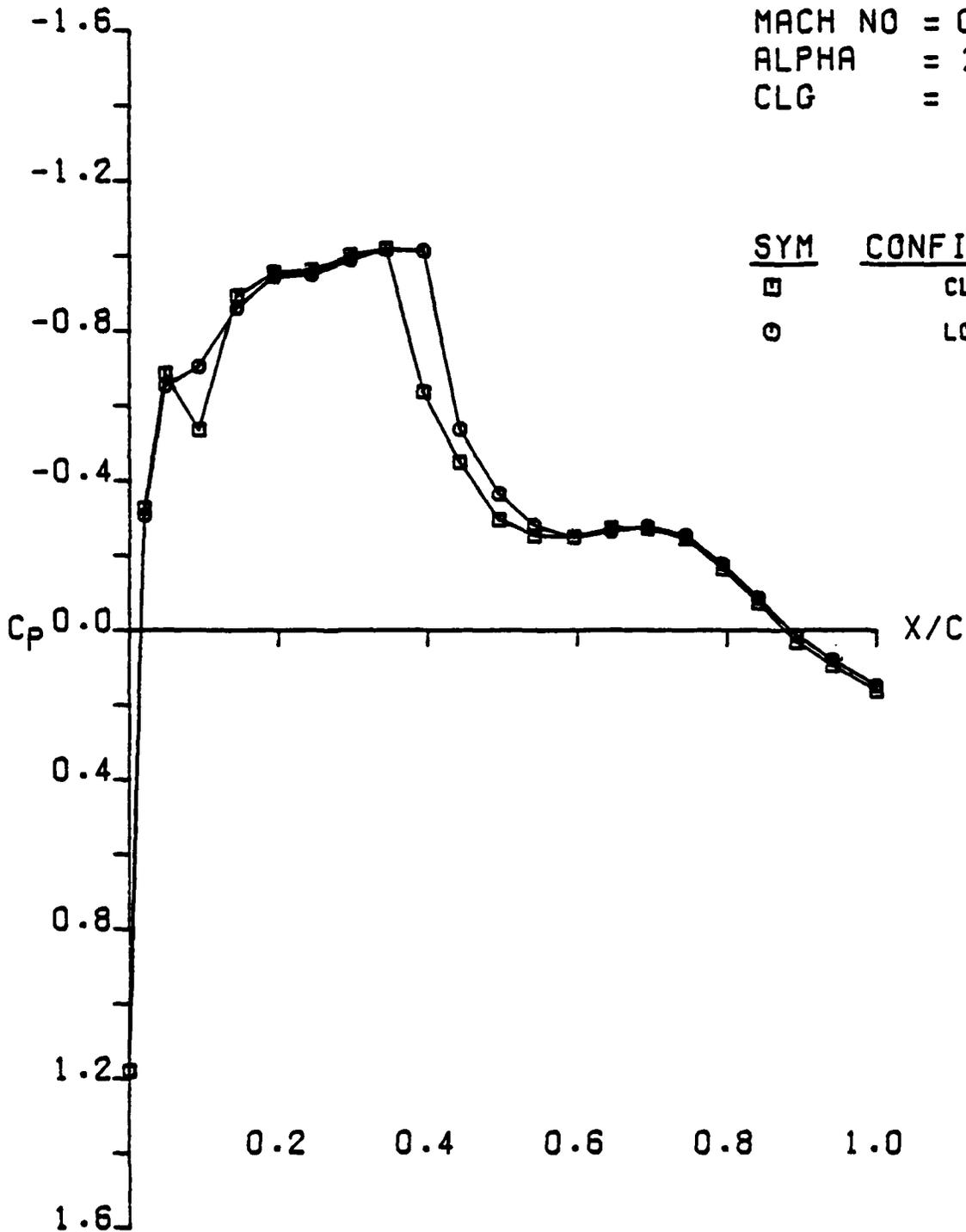
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
CLN VS LOW (UPR SURF ETA .50)
AFOSR SEMISPAN MODEL A



LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (UPR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

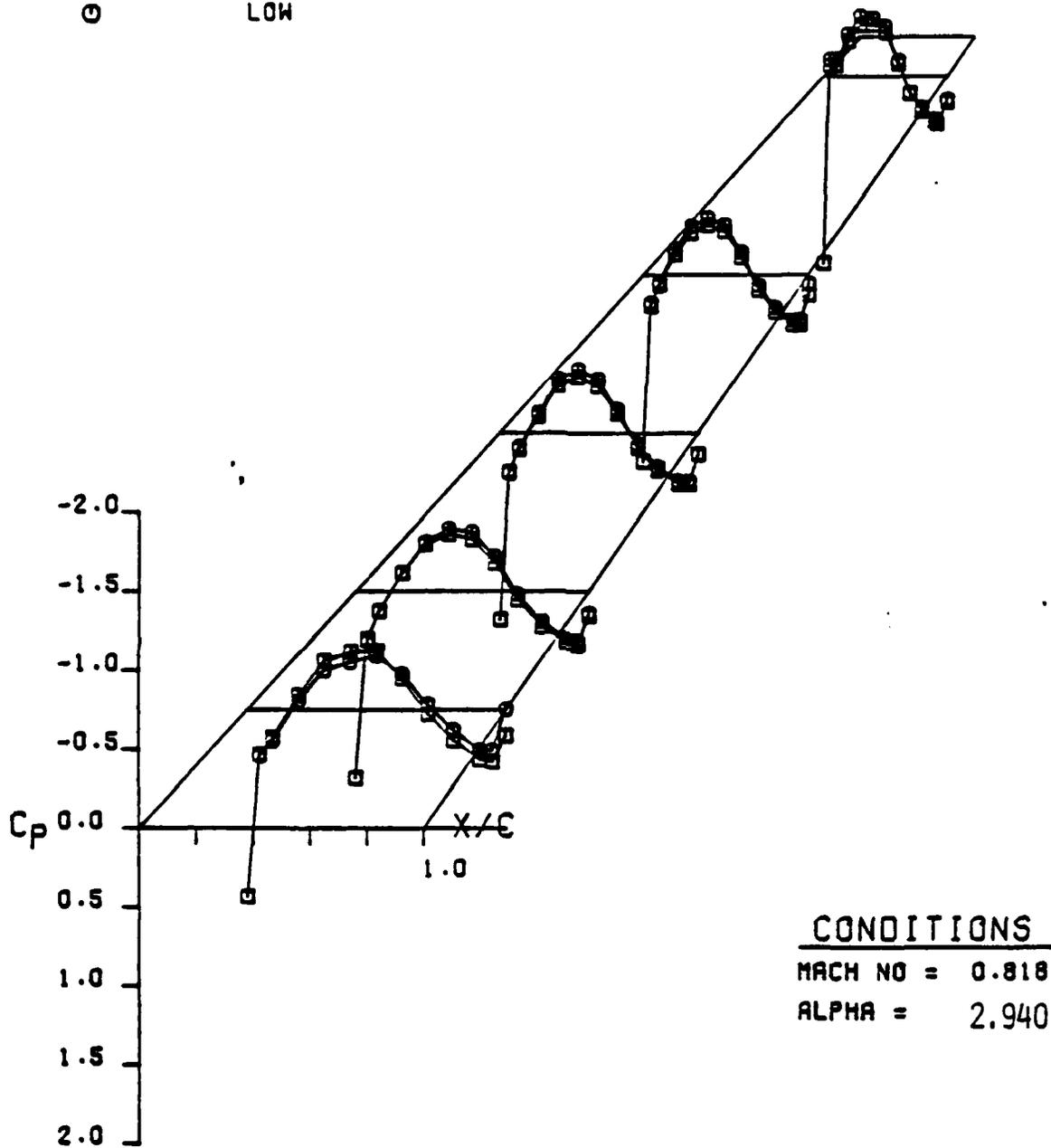
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



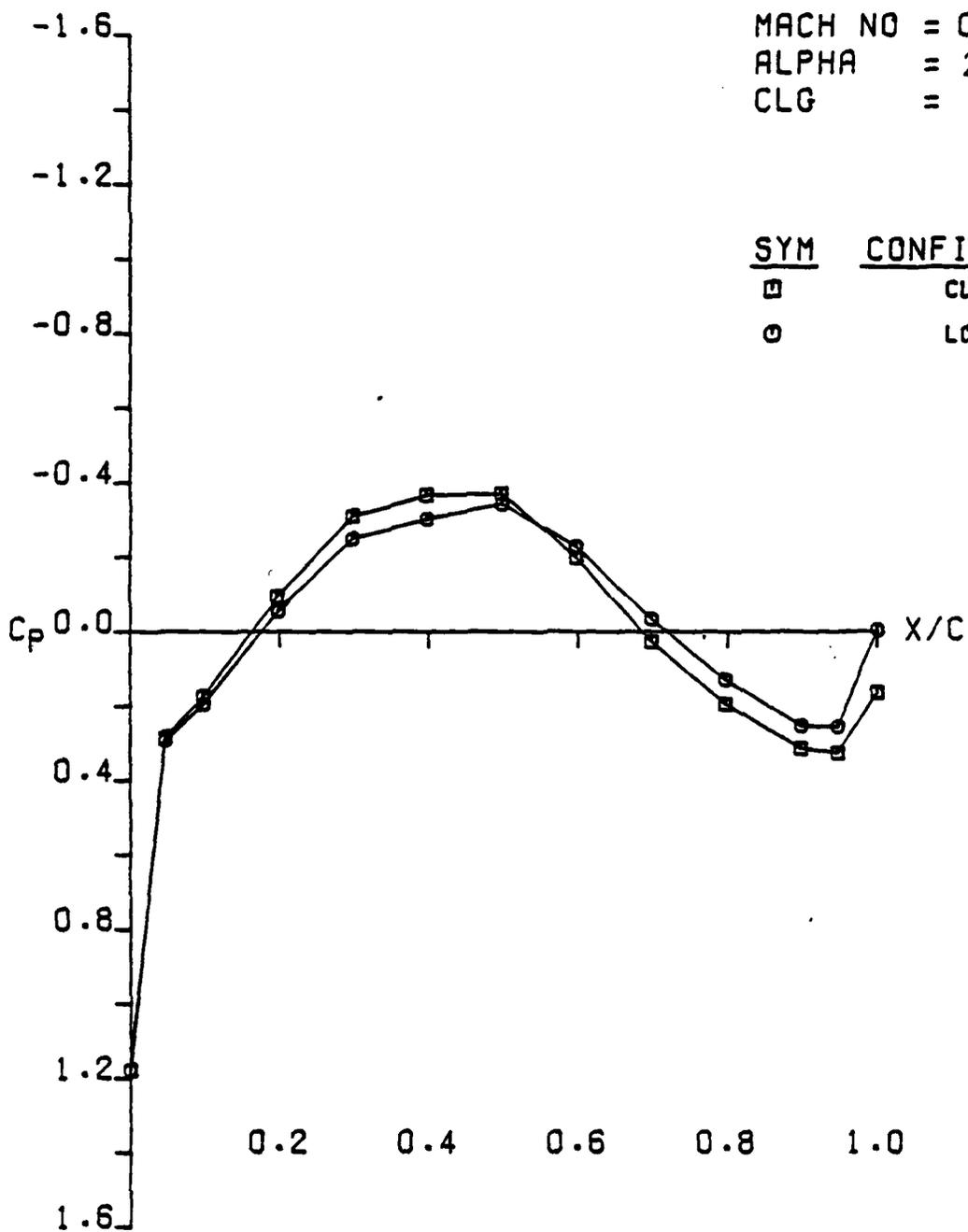
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

SYM CONFIGURATION

□ CLEAN
 ○ LOW



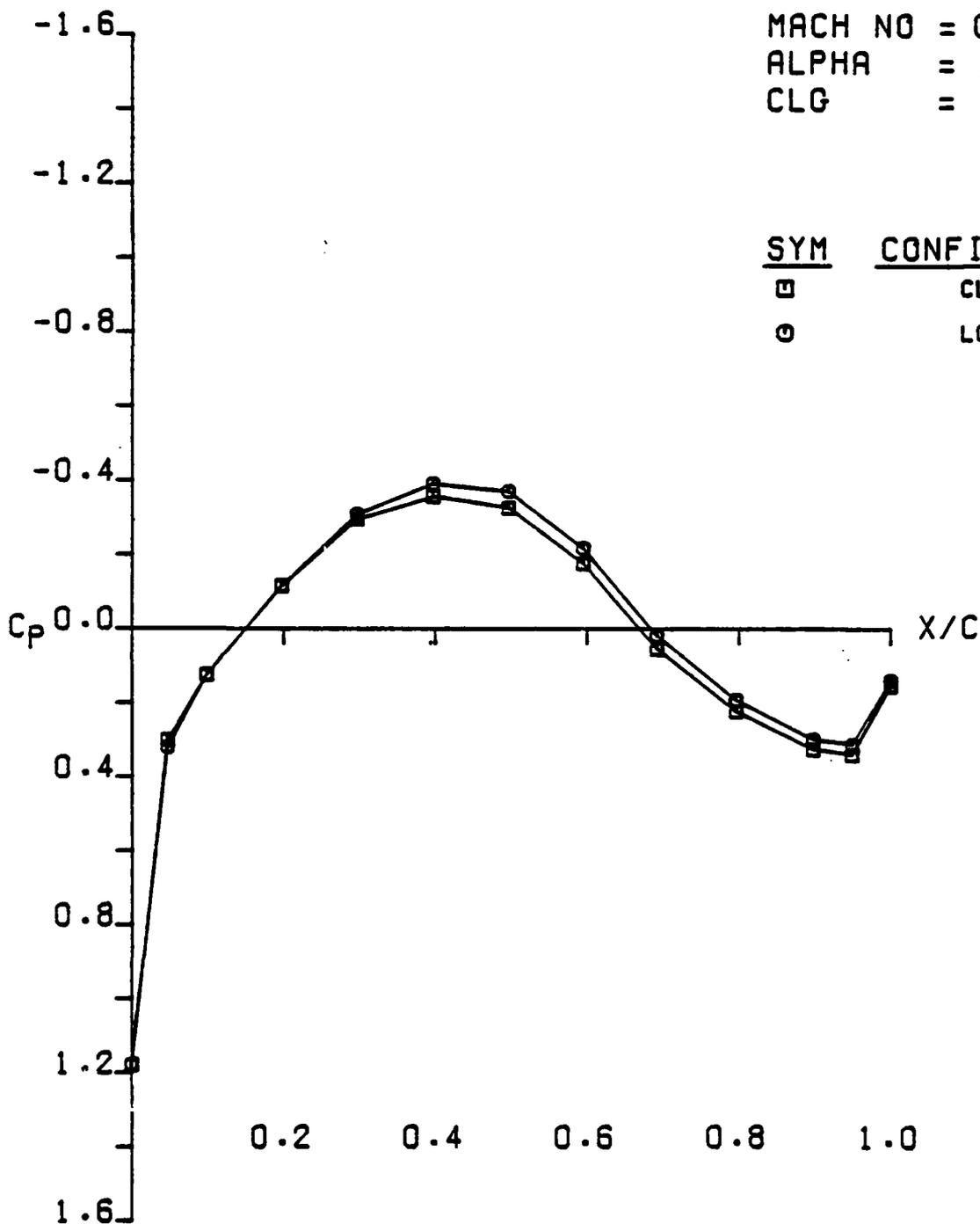
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL A



MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

SYM	CONFIGURATION
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (LWR SURF ETA .15)
 AFOSR SEMISPAN MODEL A



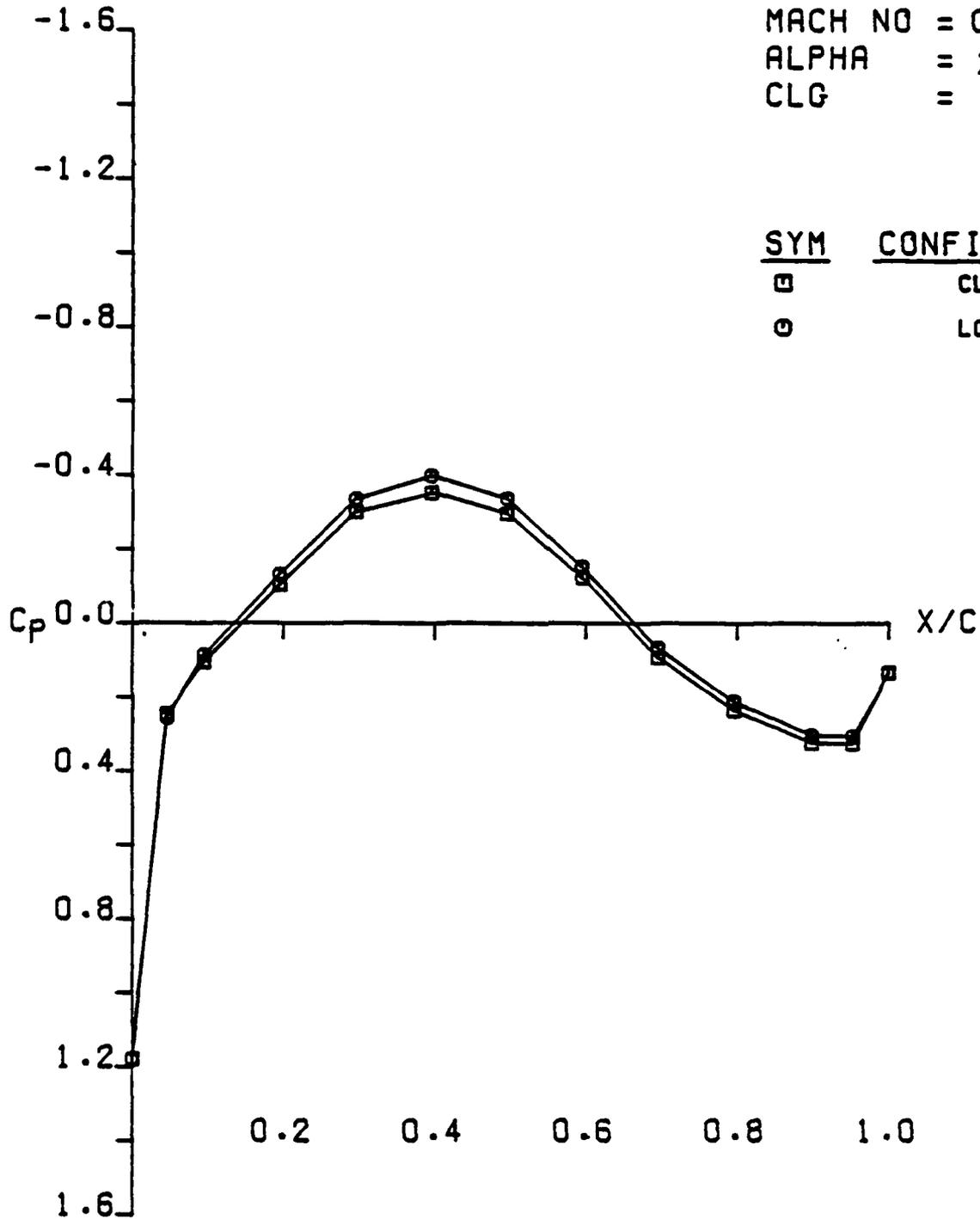
MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

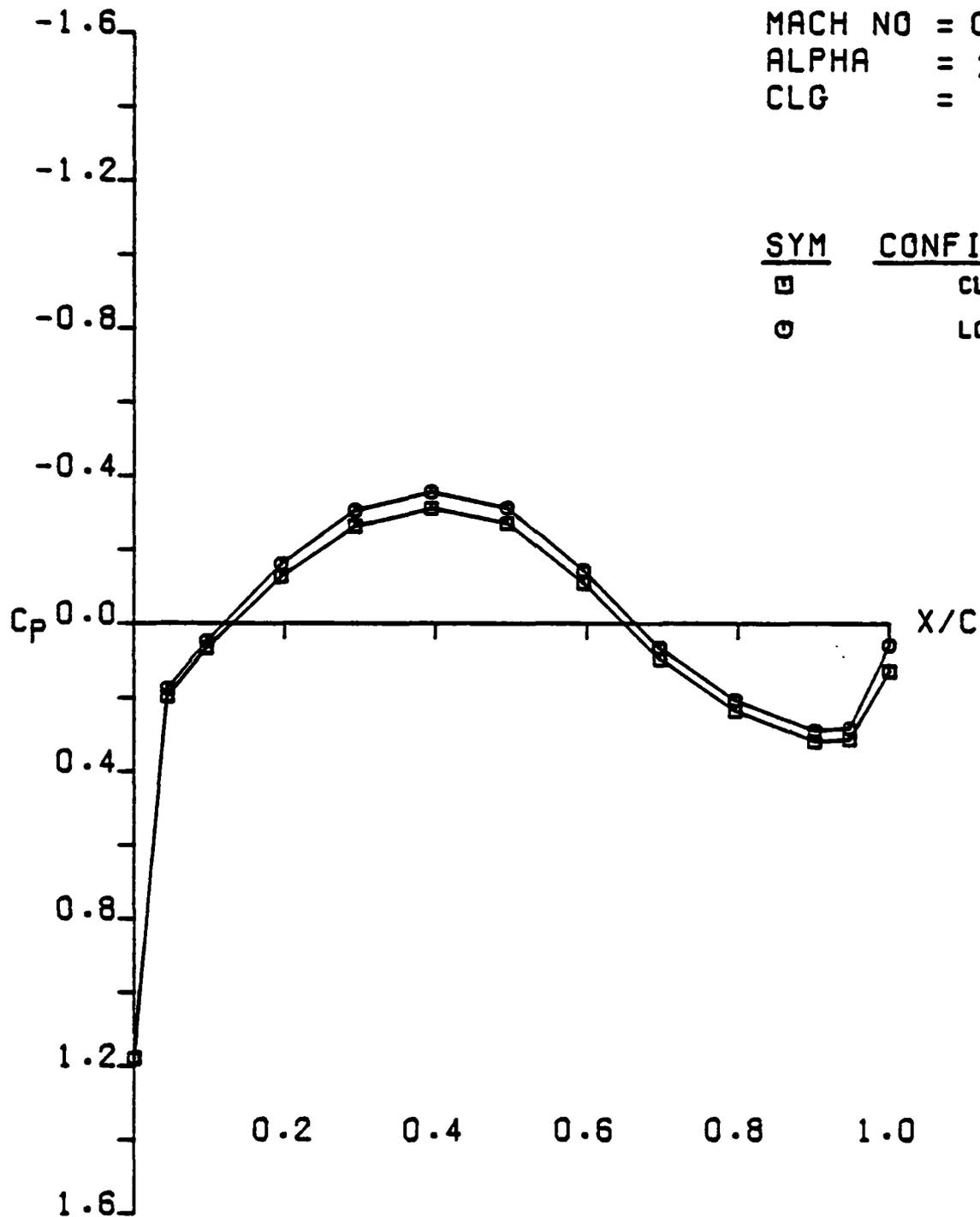
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (LWR SURF ETA .30)
 AFOSR SEMISPAN MODEL A

MACH NO = 0.818
ALPHA = 2.940
CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



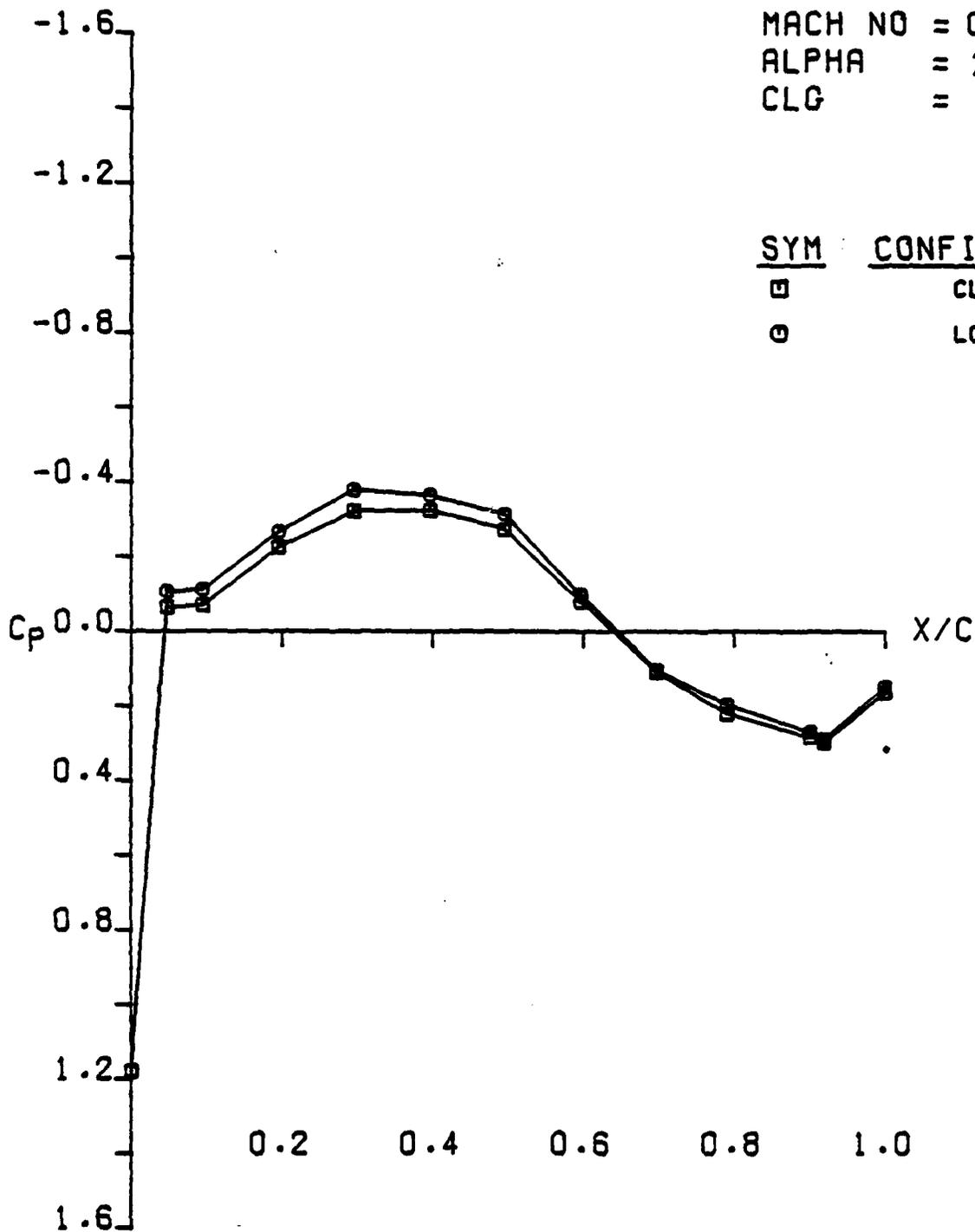
LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
CLN VS LOW (LWR SURF ETA .50)
AFOSR SEMISPAN MODEL A



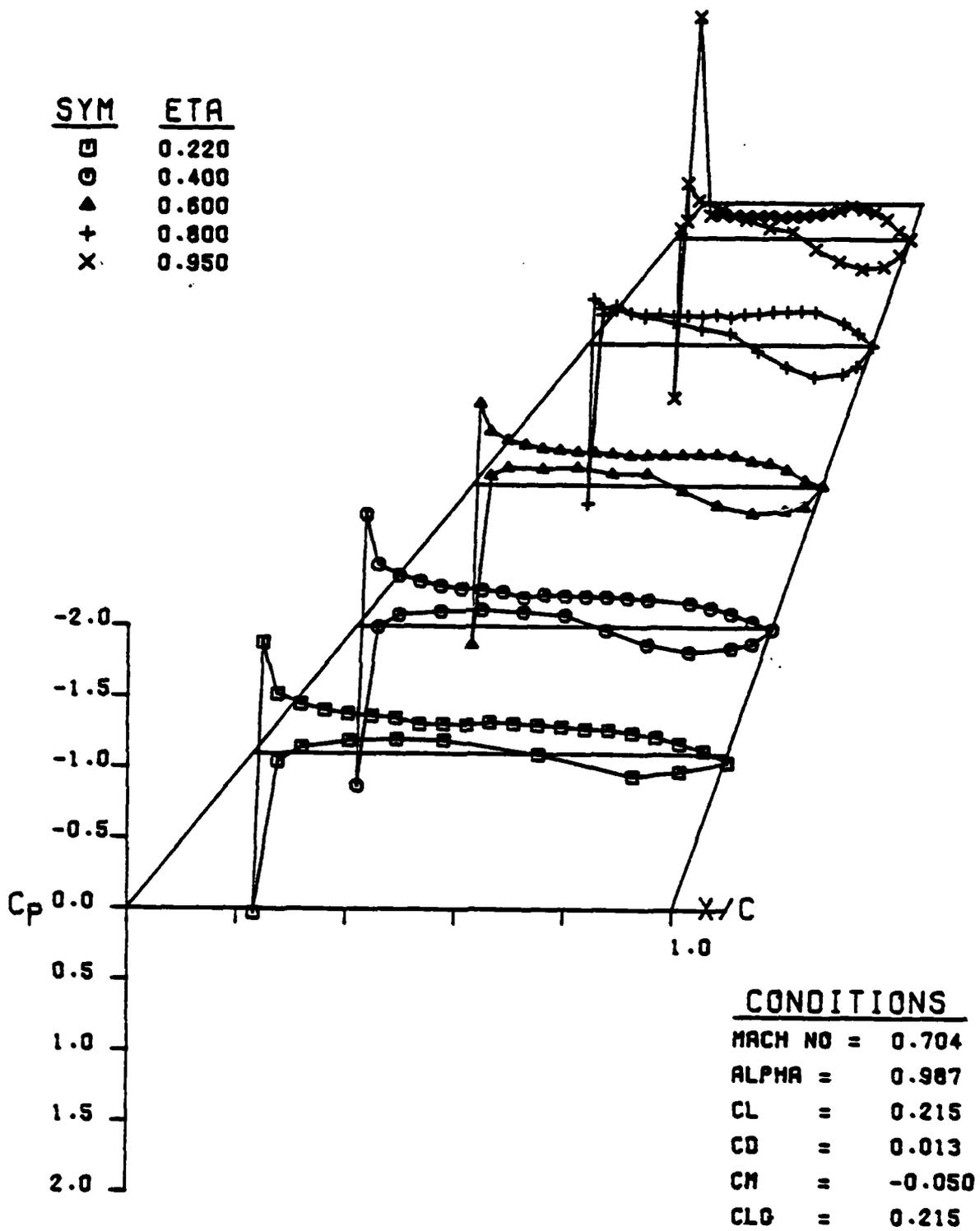
MACH NO = 0.818
 ALPHA = 2.940
 CLG = 0.531

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (LWR SURF ETA .70)
 AFOSR SEMISPAN MODEL A

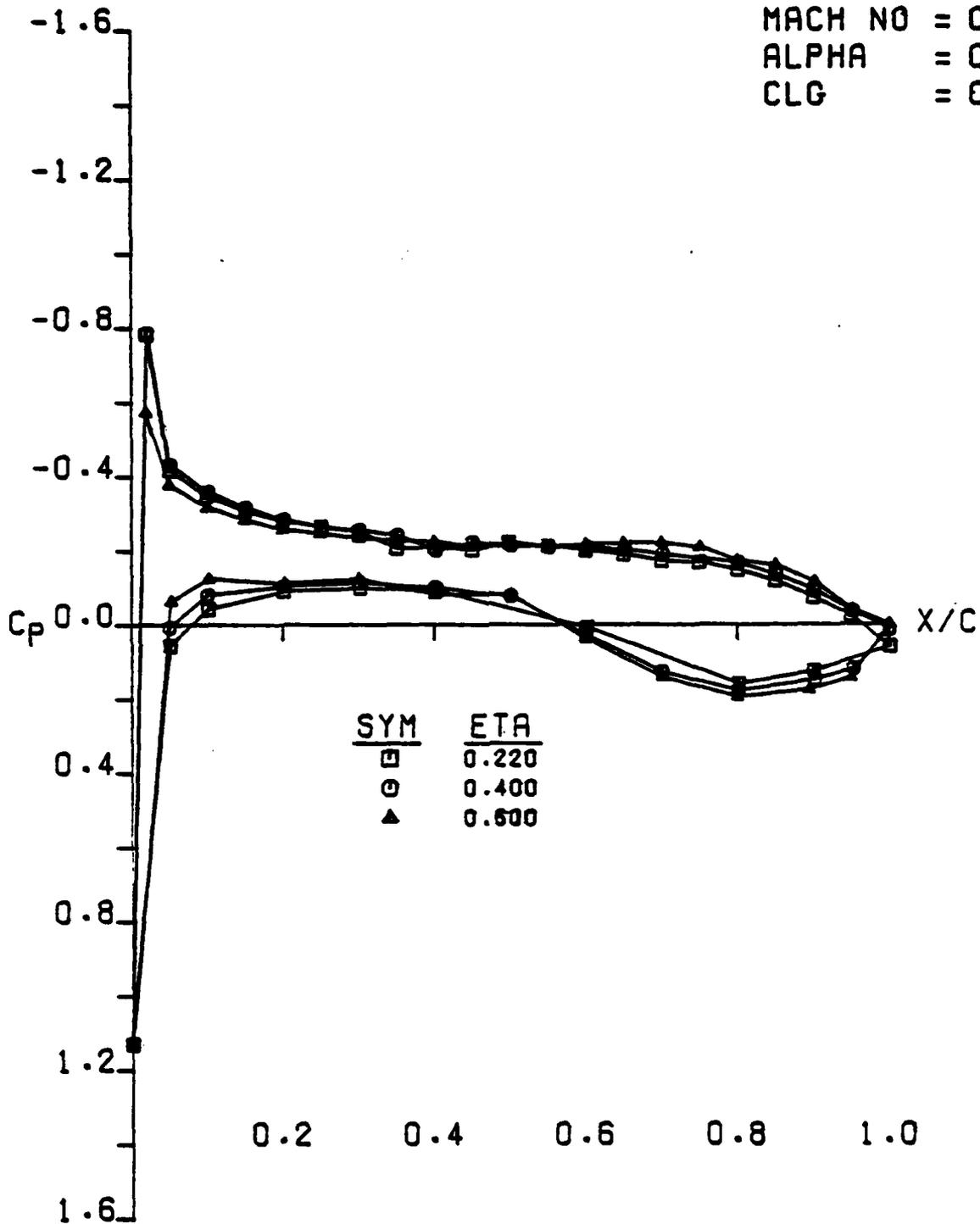


LOCKHEED CFWT SEMI-SPAN TEST, RUN 35
 CLN VS LOW (LWR SURF ETA .95)
 AFOSR SEMISPAN MODEL A

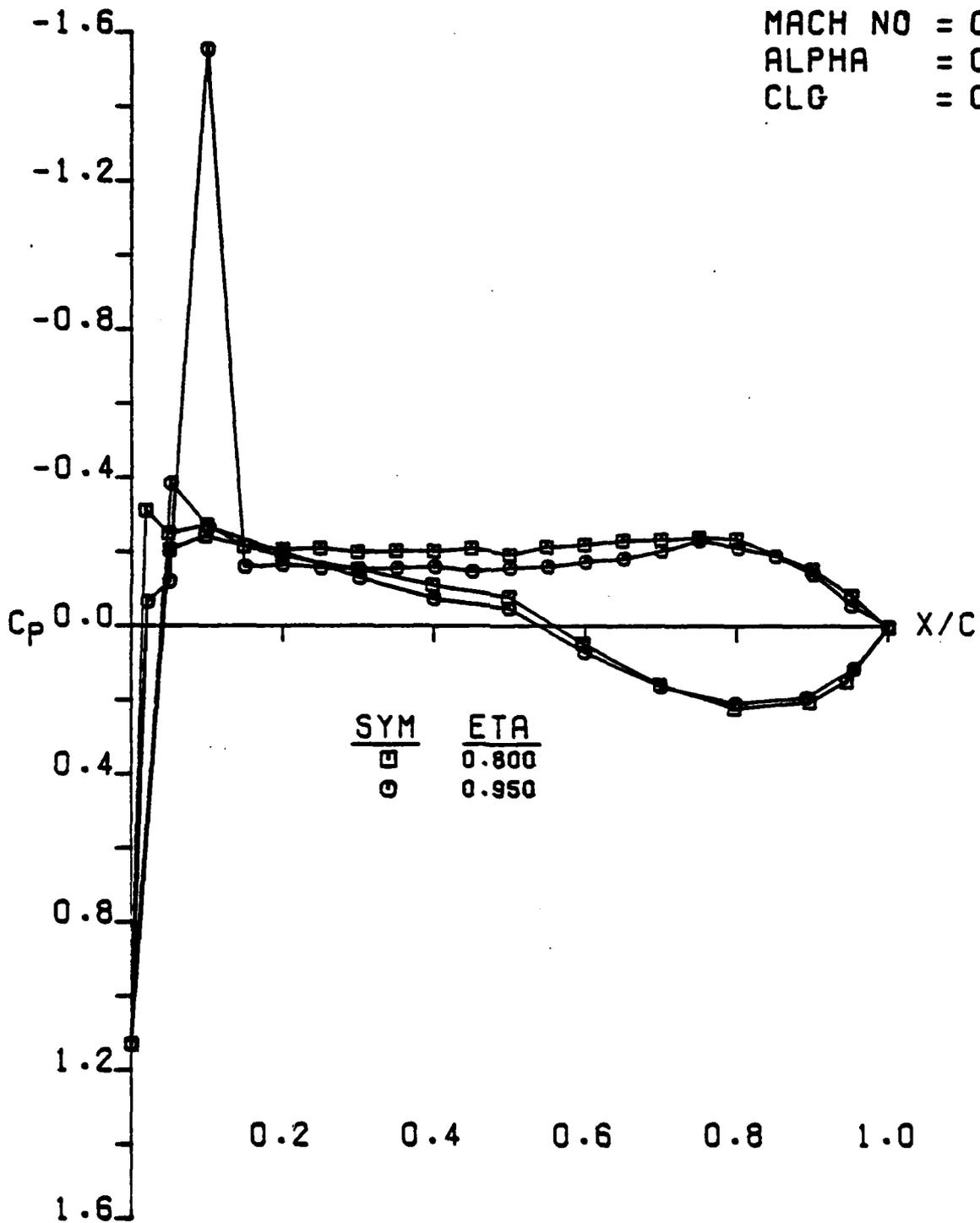


LOCKHEED CFWT SEMI-SPAN TEST, RUN 232
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.704
 ALPHA = 0.987
 CLG = 0.215

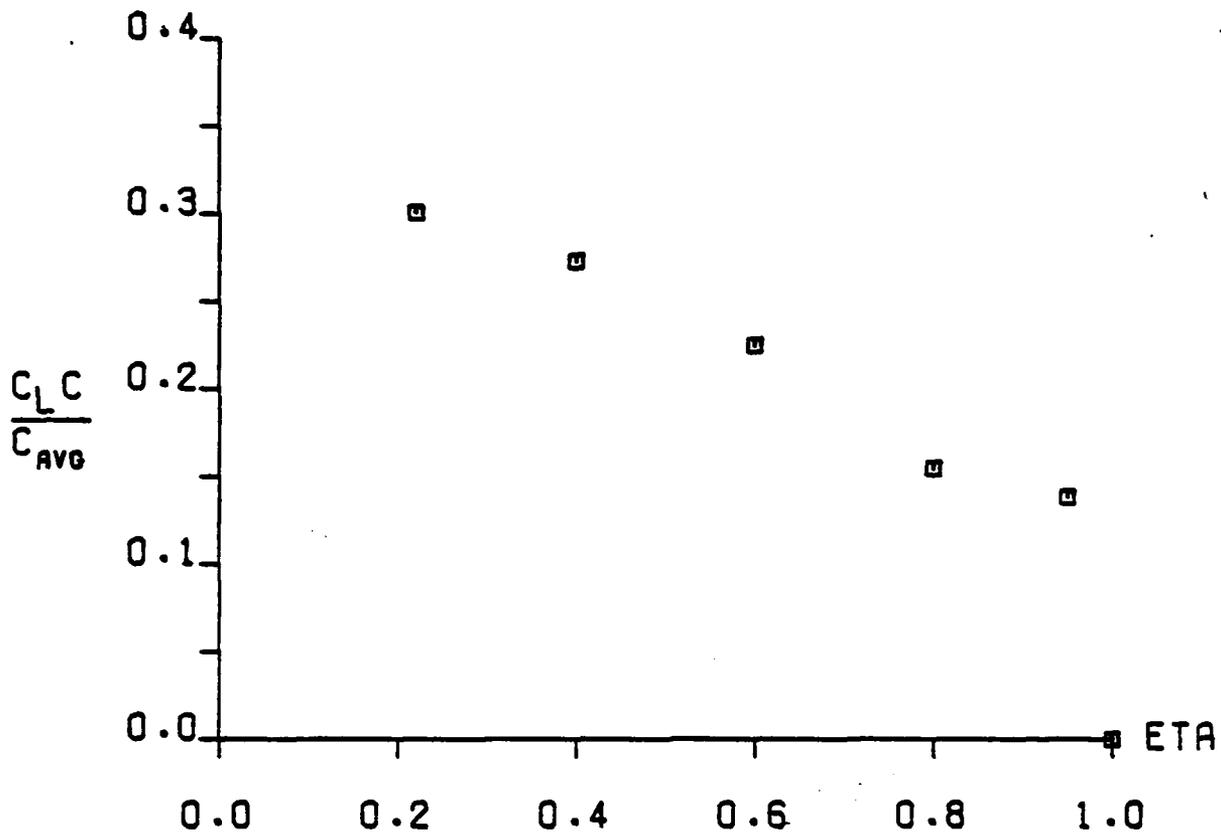


LOCKHEED CFWT SEMI-SPAN TEST, RUN 232
 TITLE
 AFOSR SEMISPAN MODEL B



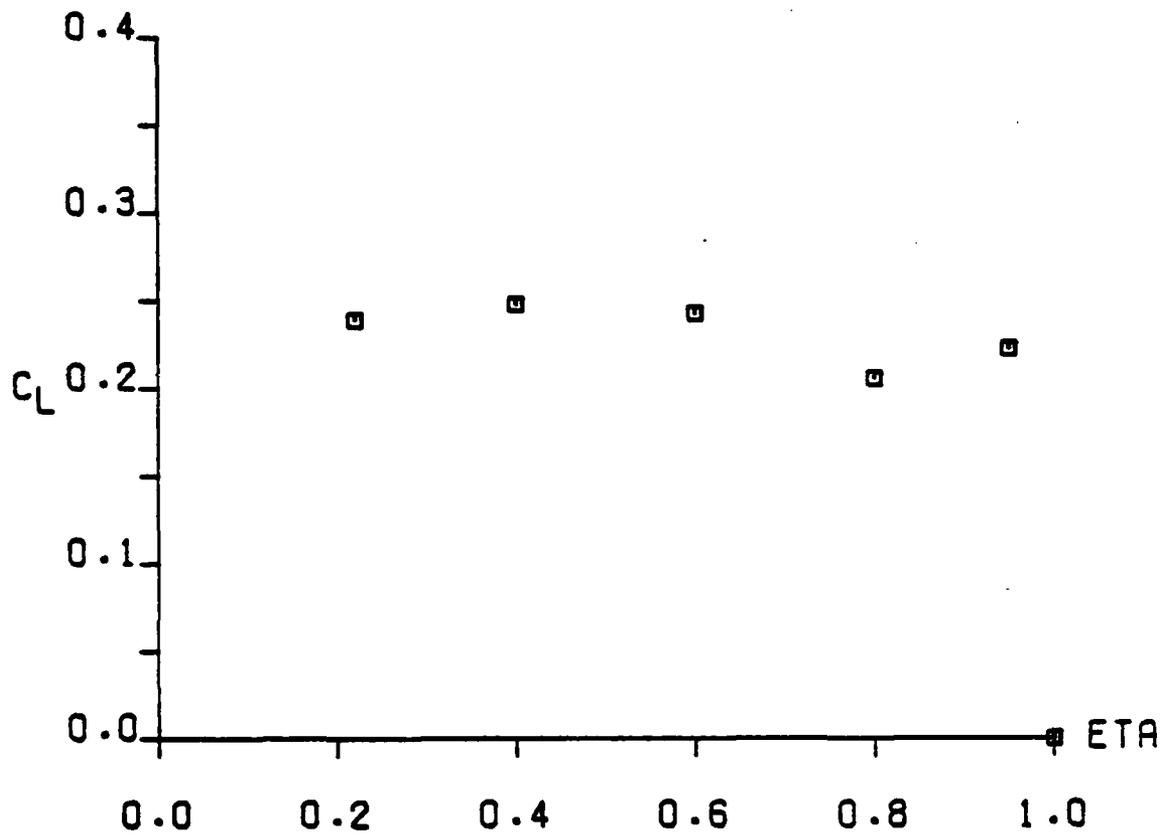
LOCKHEED CFWT SEMI-SPAN TEST, RUN 232
 TITLE
 AFOSR SEMISPAN MODEL B
 252

MACH NO = 0.704
ALPHA = 0.987
CLG = 0.215



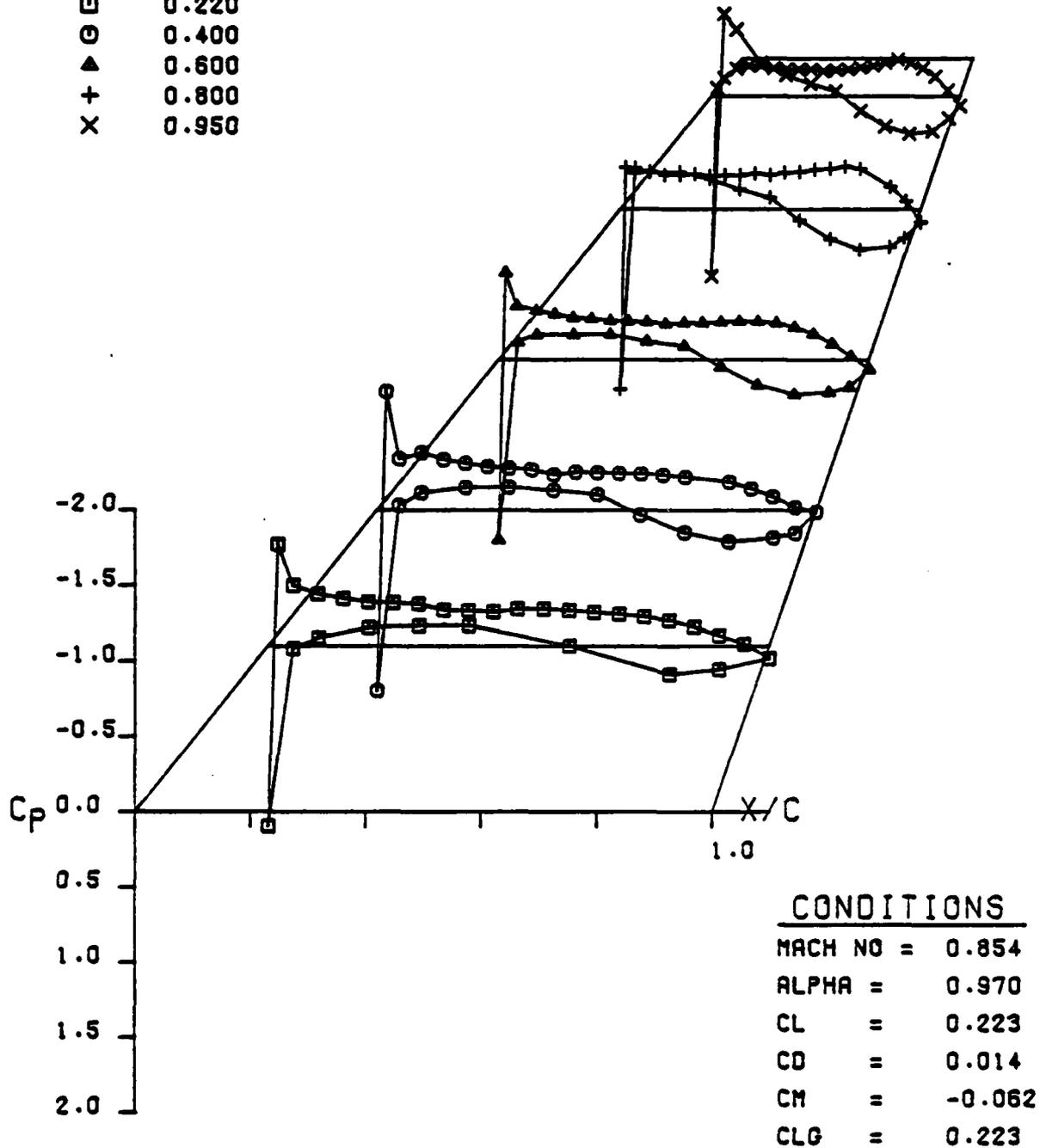
LOCKHEED CFWT SEMI-SPAN TEST, RUN 232
TITLE
AFOSR SEMISPAN MODEL B
253

MACH NO = 0.704
ALPHA = 0.987
CLG = 0.215



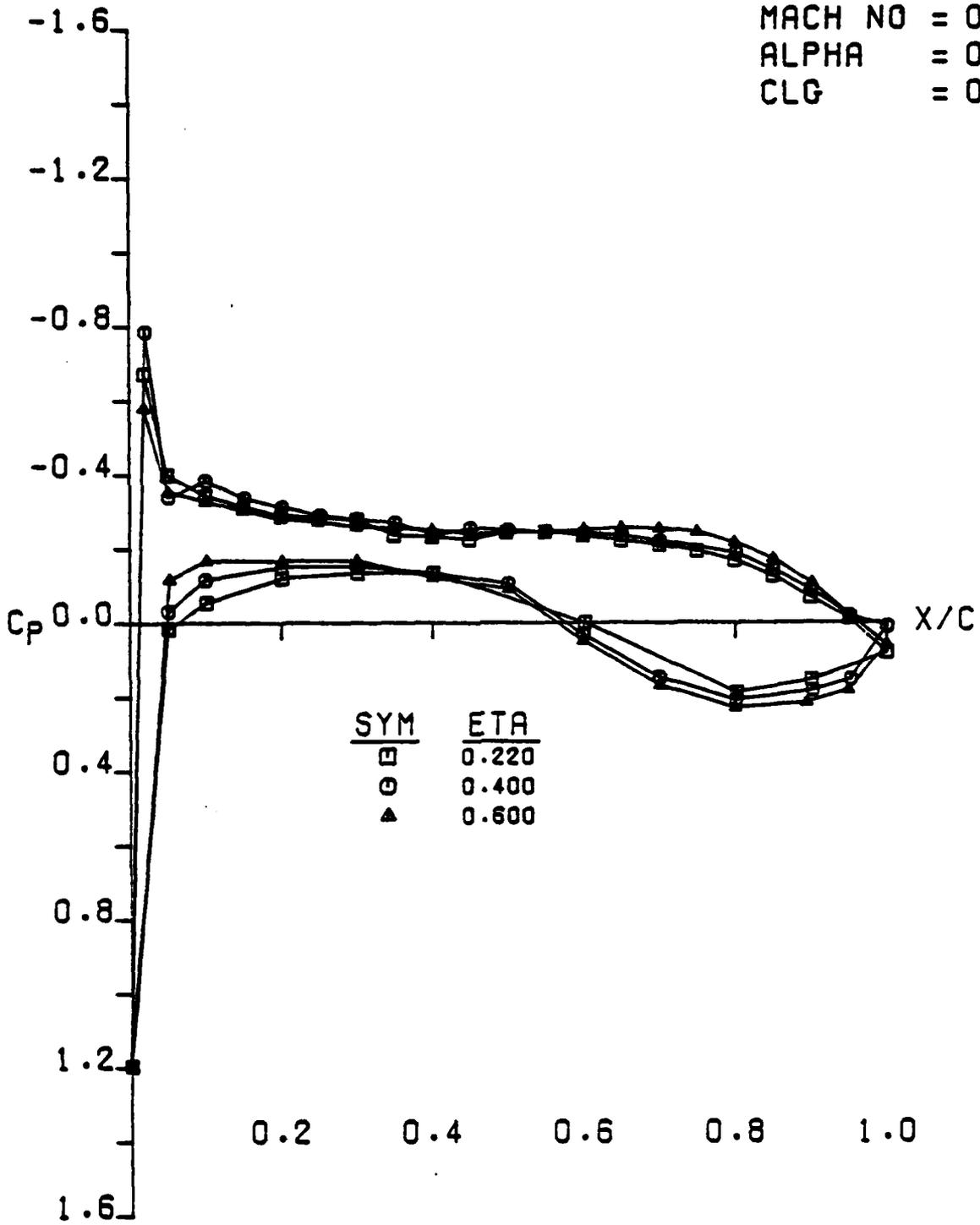
LOCKHEED CFWT SEMI-SPAN TEST, RUN 232
TITLE
AFOSR SEMISPAN MODEL B

<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
▲	0.600
+	0.800
X	0.950



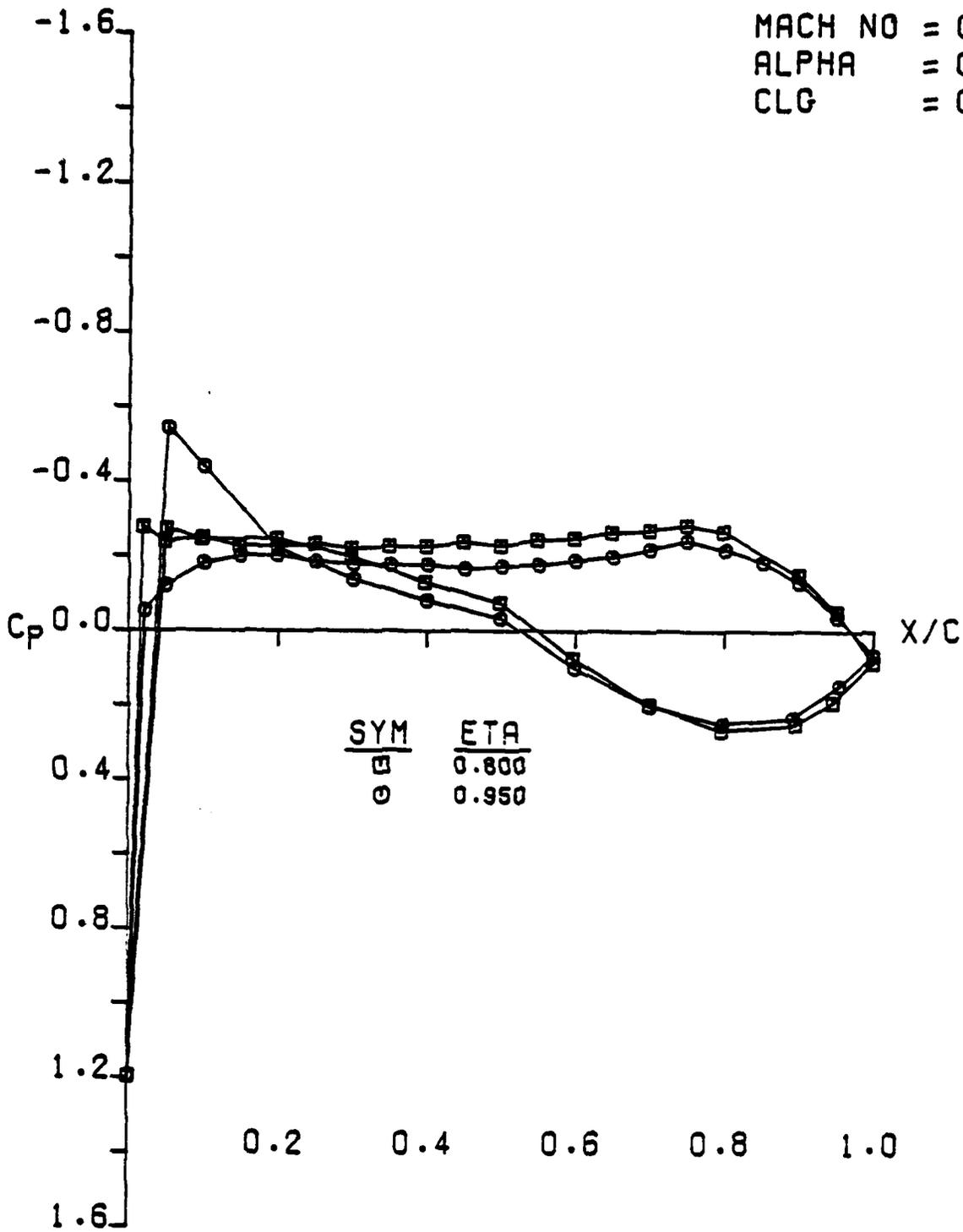
LOCKHEED CFWT SEMI-SPAN TEST, RUN 13
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.854
 ALPHA = 0.970
 CLG = 0.223



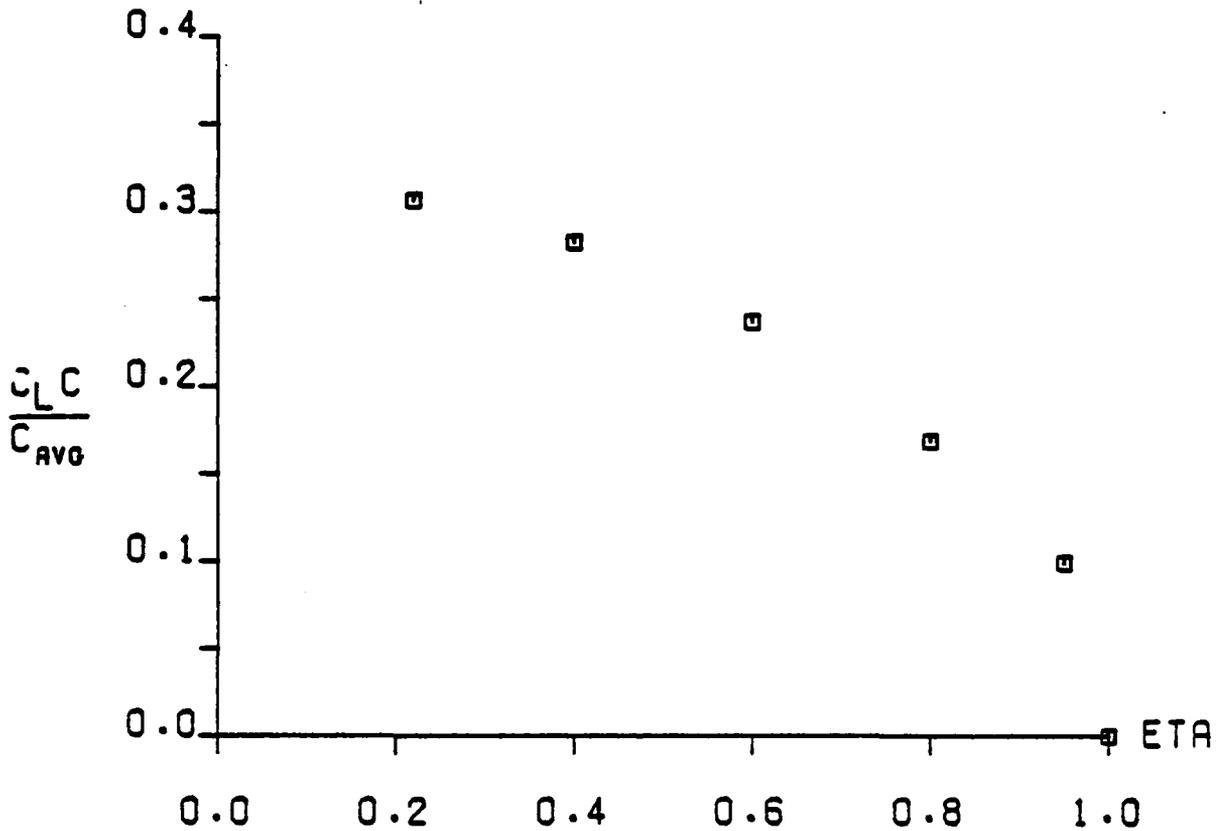
LOCKHEED CFWT SEMI-SPAN TEST, RUN 13
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.854
 ALPHA = 0.970
 CLG = 0.223



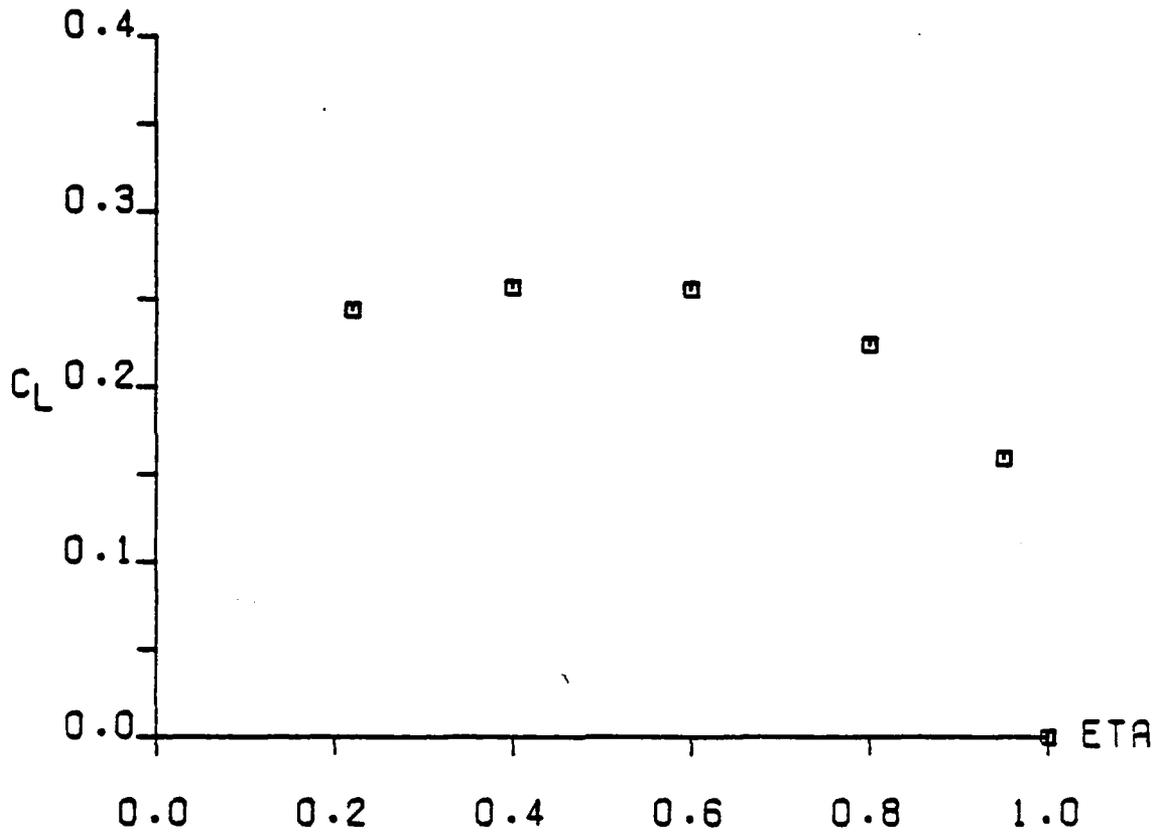
LOCKHEED CFWT SEMI-SPAN TEST, RUN 13
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.854
ALPHA = 0.970
CLG = 0.223



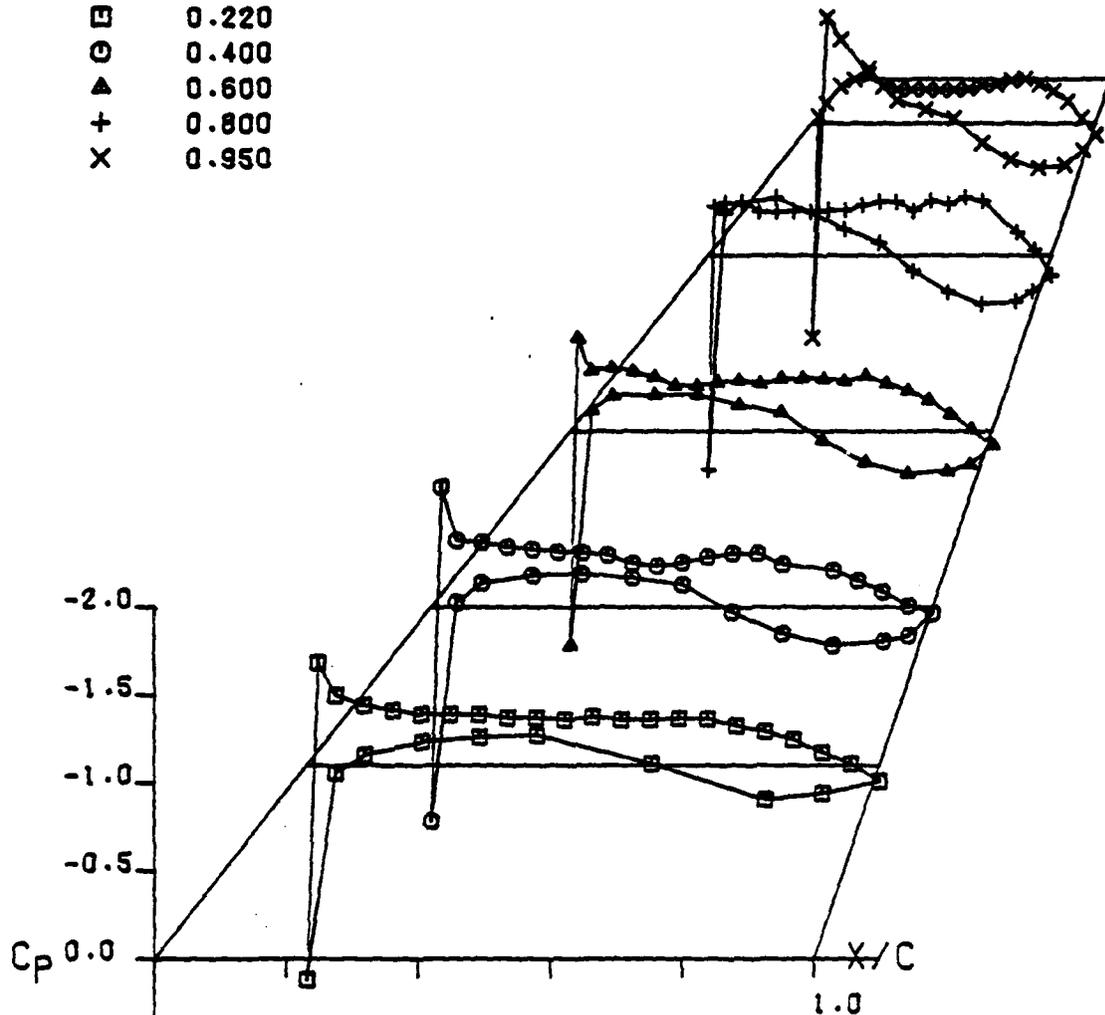
LOCKHEED CFWT SEMI-SPAN TEST, RUN 13
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.854
ALPHA = 0.970
CLG = 0.223



LOCKHEED CFWT SEMI-SPAN TEST, RUN 13
TITLE
AFOSR SEMISPAN MODEL B

<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
▲	0.600
+	0.800
x	0.950

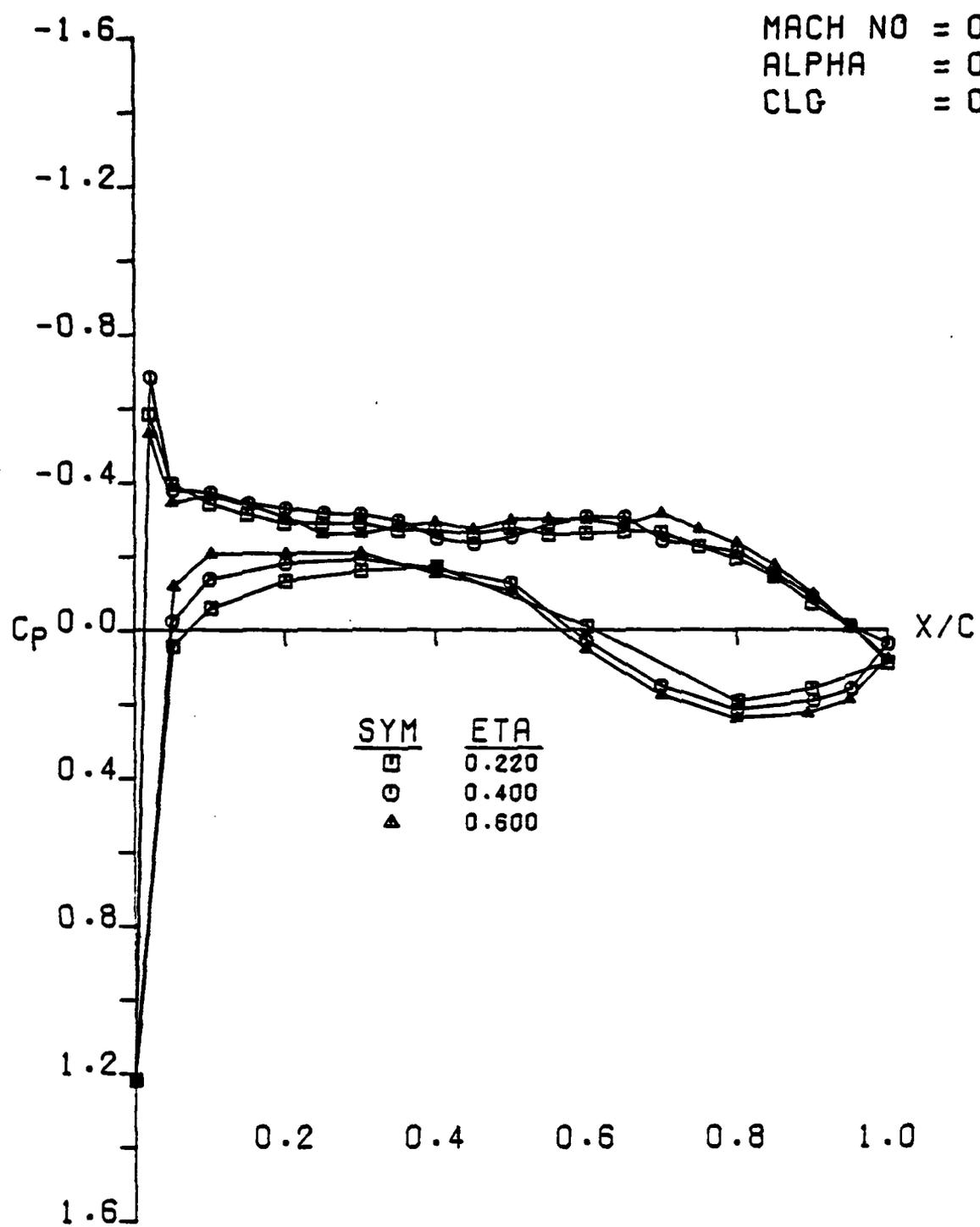


CONDITIONS

MACH NO =	0.899
ALPHA =	0.967
CL =	0.230
CD =	0.015
CM =	-0.069
CLG =	0.230

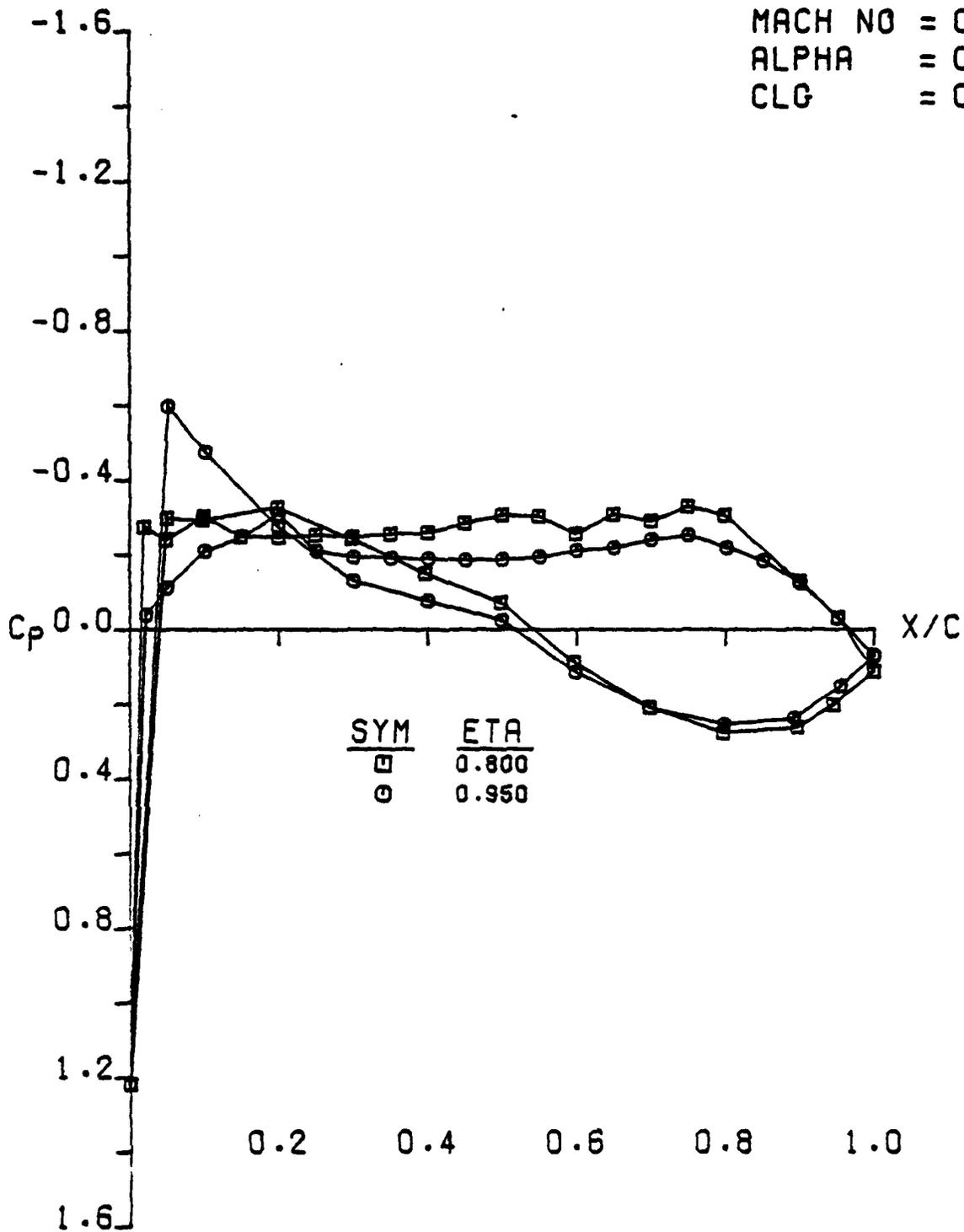
LOCKHEED CFWT SEMI-SPAN TEST, RUN 22
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.899
 ALPHA = 0.967
 CLG = 0.230



LOCKHEED CFWT SEMI-SPAN TEST, RUN 22
 TITLE
 AFOSR SEMISPAN MODEL B

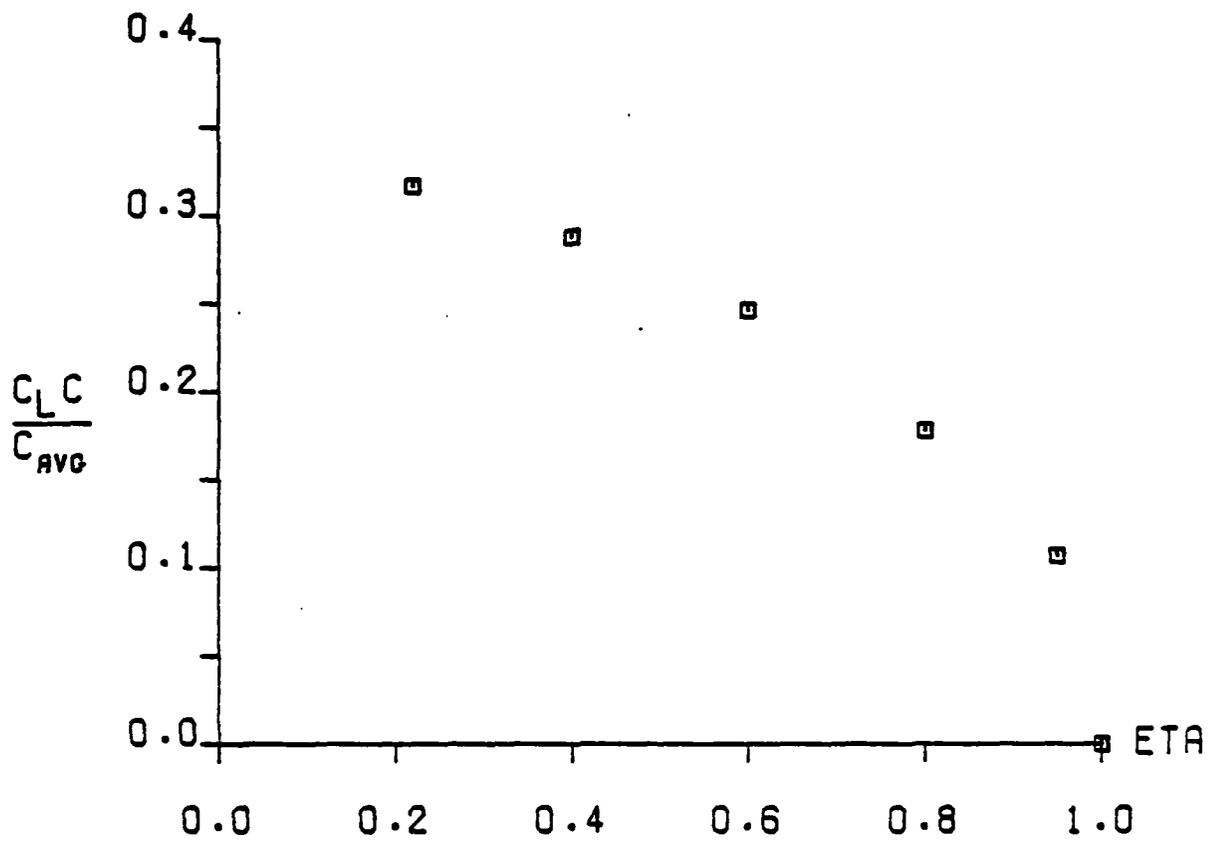
MACH NO = 0.899
 ALPHA = 0.967
 CLG = 0.230



SYM	ETA
□	0.800
○	0.950

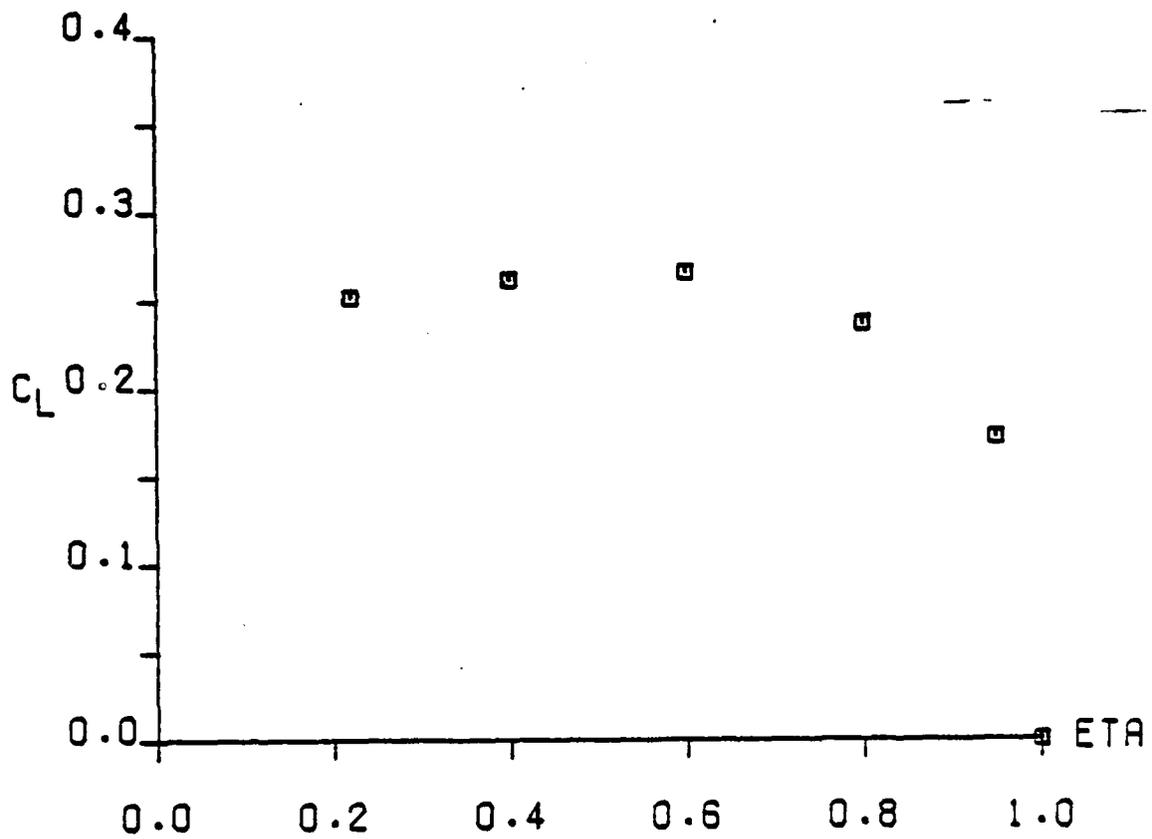
LOCKHEED CFWT SEMI-SPAN TEST, RUN 22
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.899
ALPHA = 0.967
CLG = 0.230



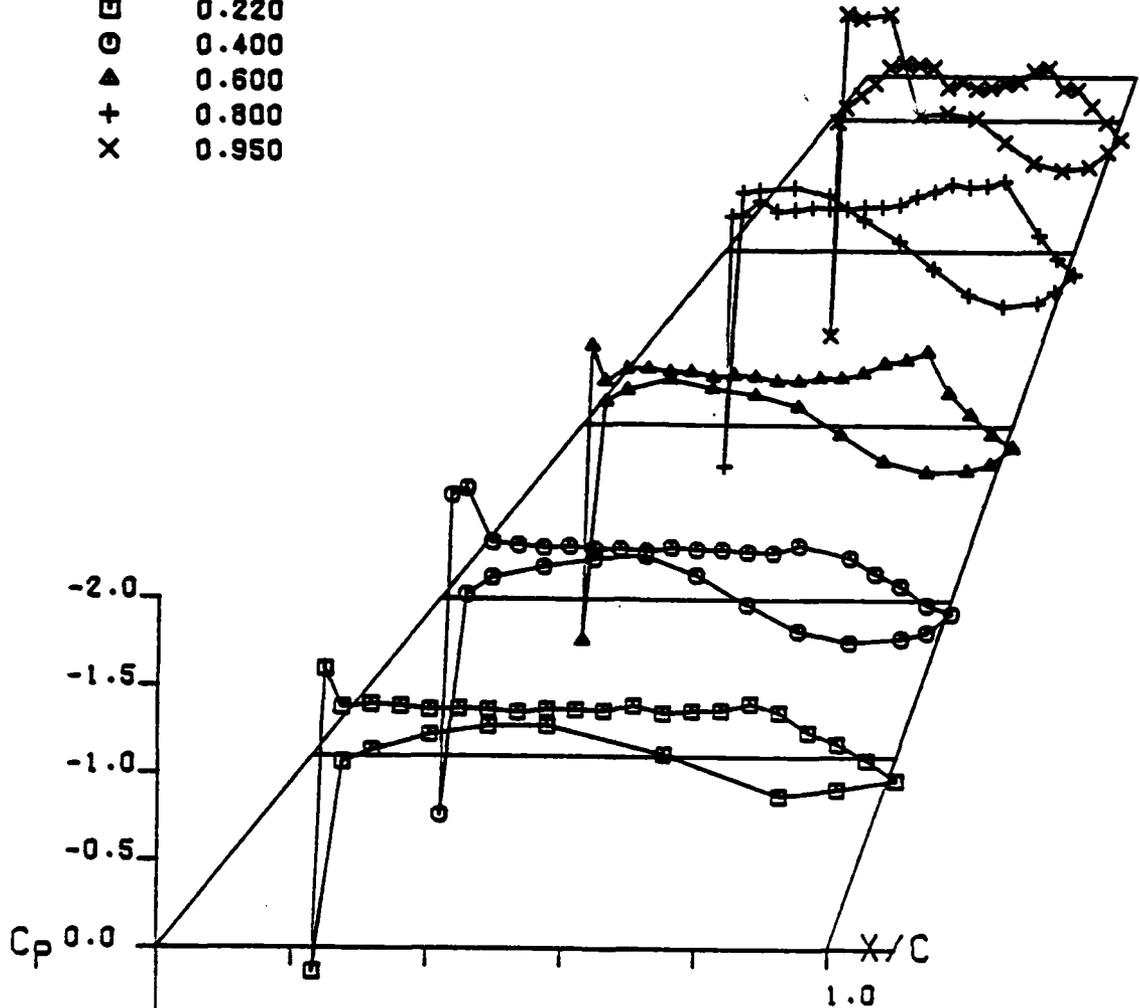
LOCKHEED CFWT SEMI-SPAN TEST, RUN 22
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.899
ALPHA = 0.967
CLG = 0.230



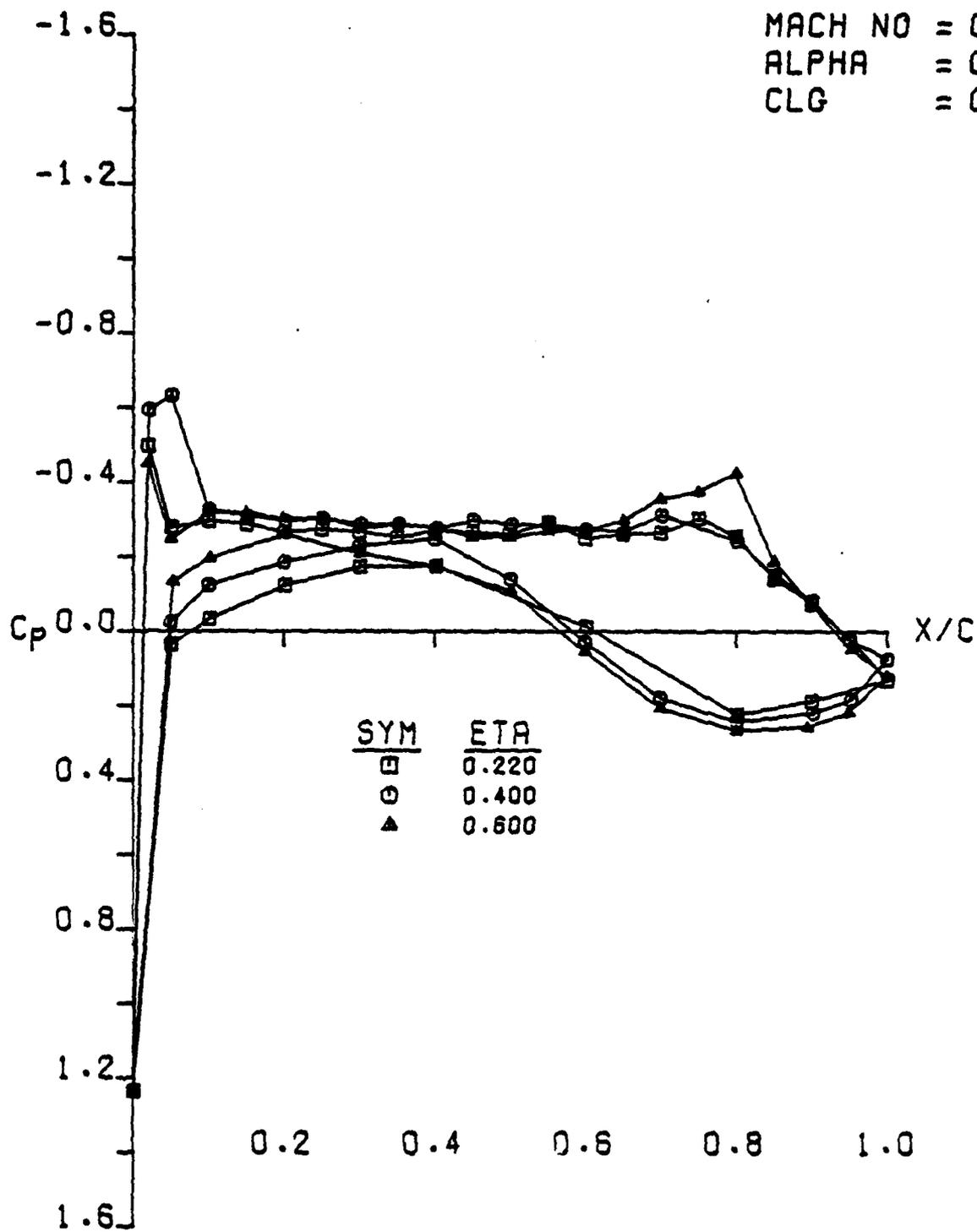
LOCKHEED CFWT SEMI-SPAN TEST, RUN 22
TITLE
AFOSR SEMISPAN MODEL B

<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
▲	0.600
+	0.800
x	0.950

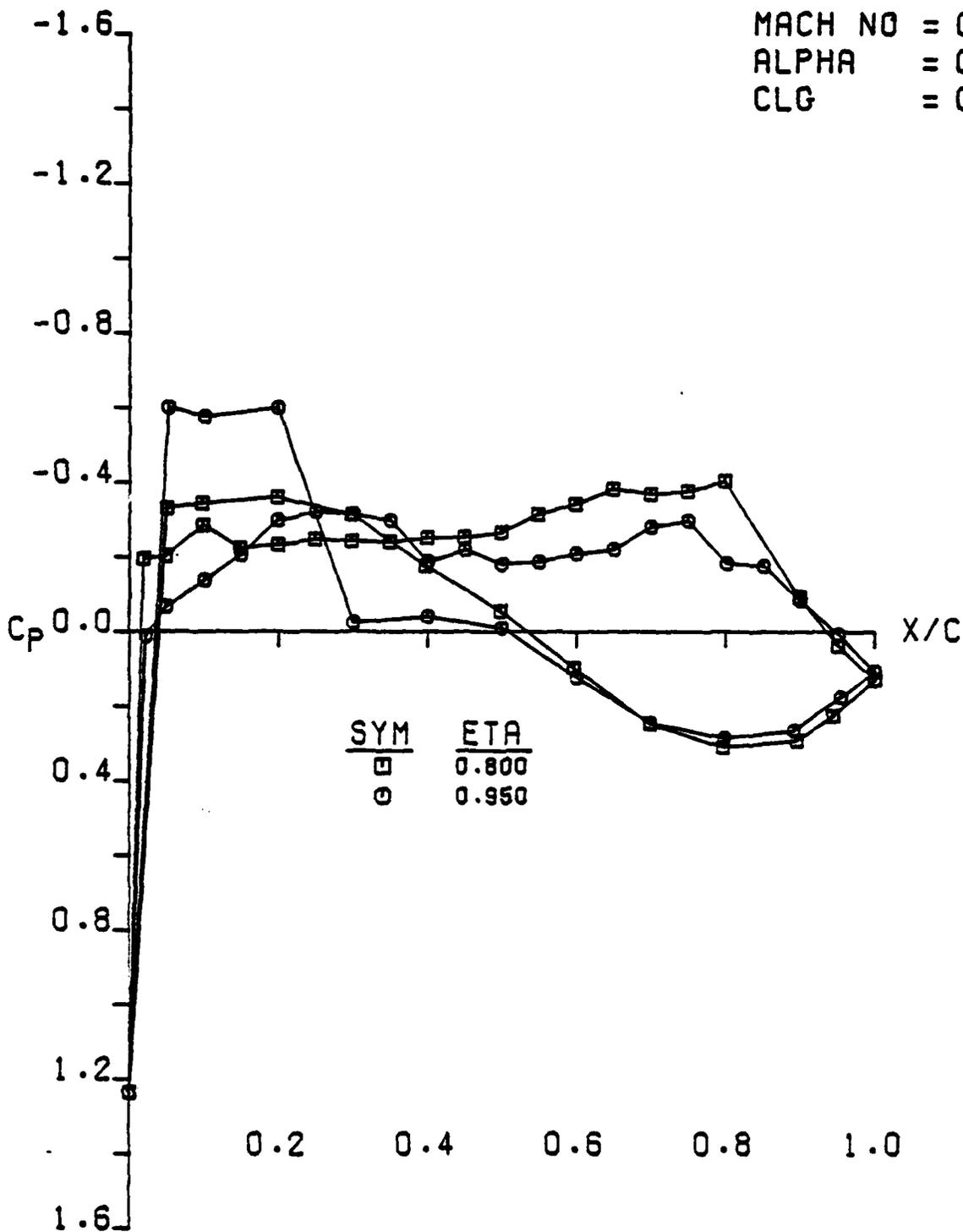


<u>CONDITIONS</u>	
MACH NO =	0.930
ALPHA =	0.953
CL =	0.232
CD =	0.017
CM =	-0.080
CLG =	0.232

LOCKHEED CFWT SEMI-SPAN TEST, RUN 67
 TITLE
 AFOSR SEMISPAN MODEL B

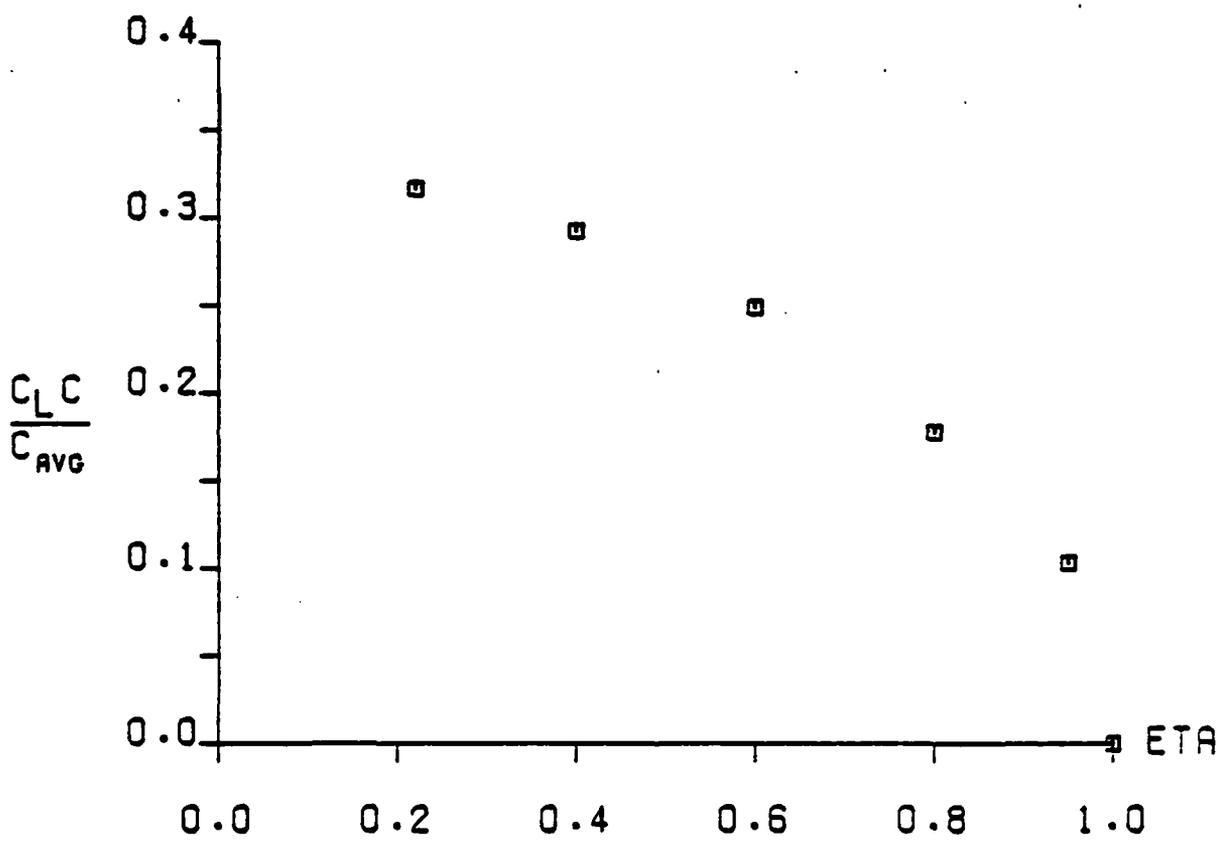


LOCKHEED CFWT SEMI-SPAN TEST, RUN 67
 TITLE
 AFOSR SEMISPAN MODEL B



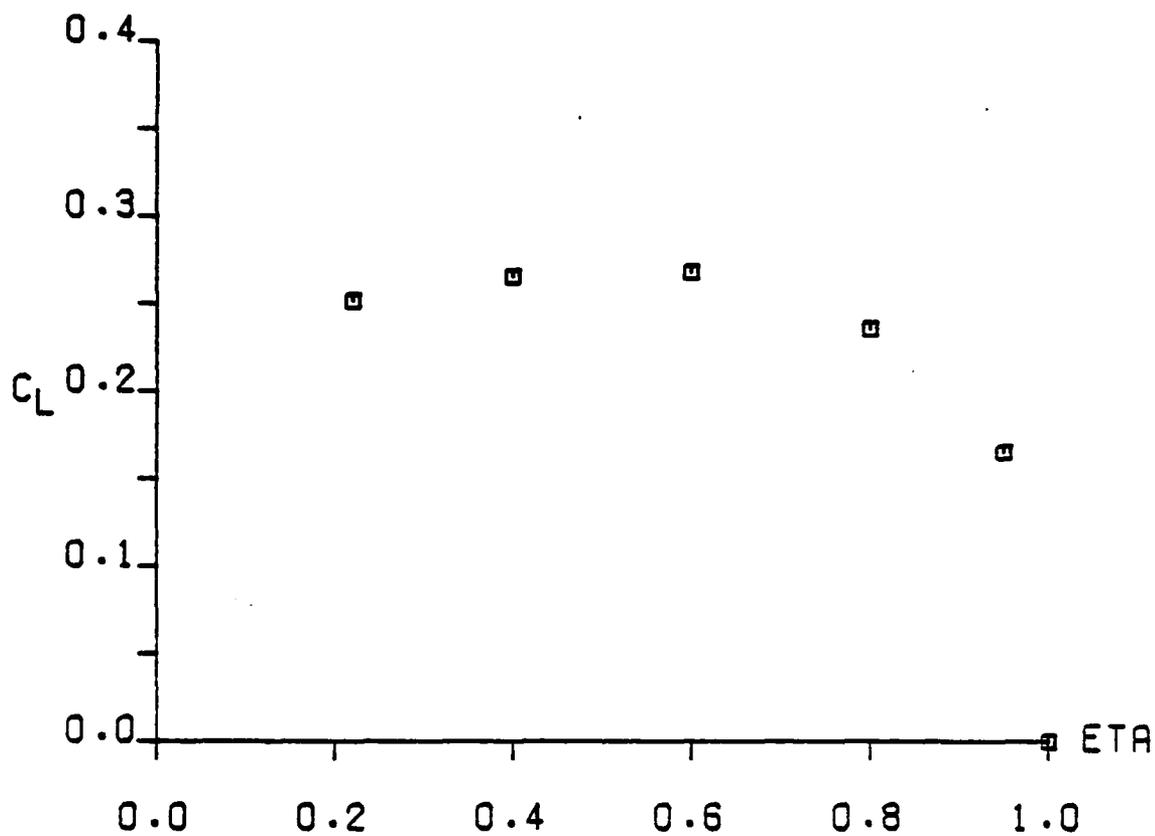
LOCKHEED CFWT SEMI-SPAN TEST, RUN 67
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.930
ALPHA = 0.953
CLG = 0.232



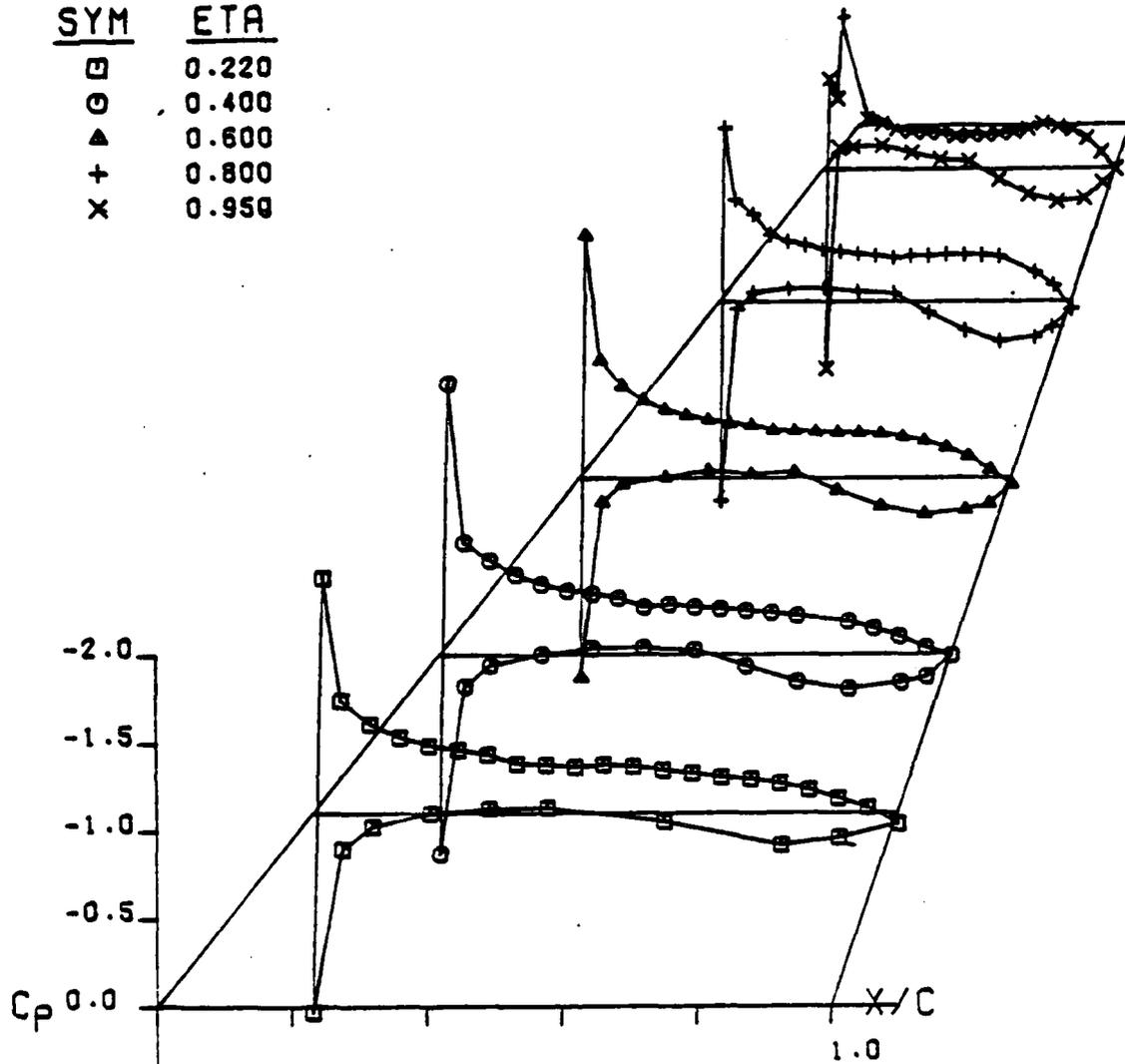
LOCKHEED CFWT SEMI-SPAN TEST, RUN 67
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.930
ALPHA = 0.953
CLG = 0.232



LOCKHEED CFWT SEMI-SPAN TEST, RUN 67
TITLE
AFOSR SEMISPAN MODEL B

<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
▲	0.600
+	0.800
x	0.950

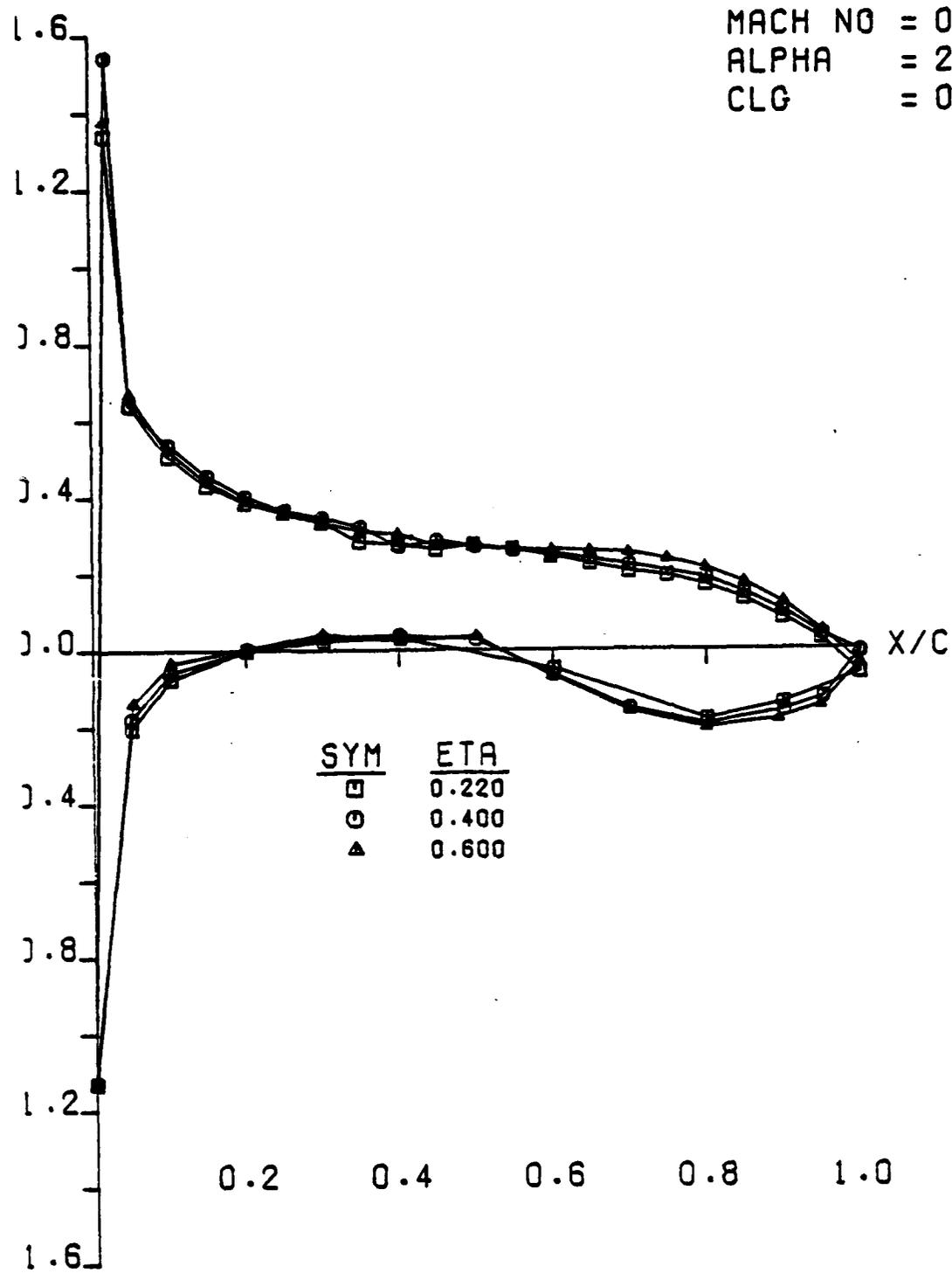


CONDITIONS

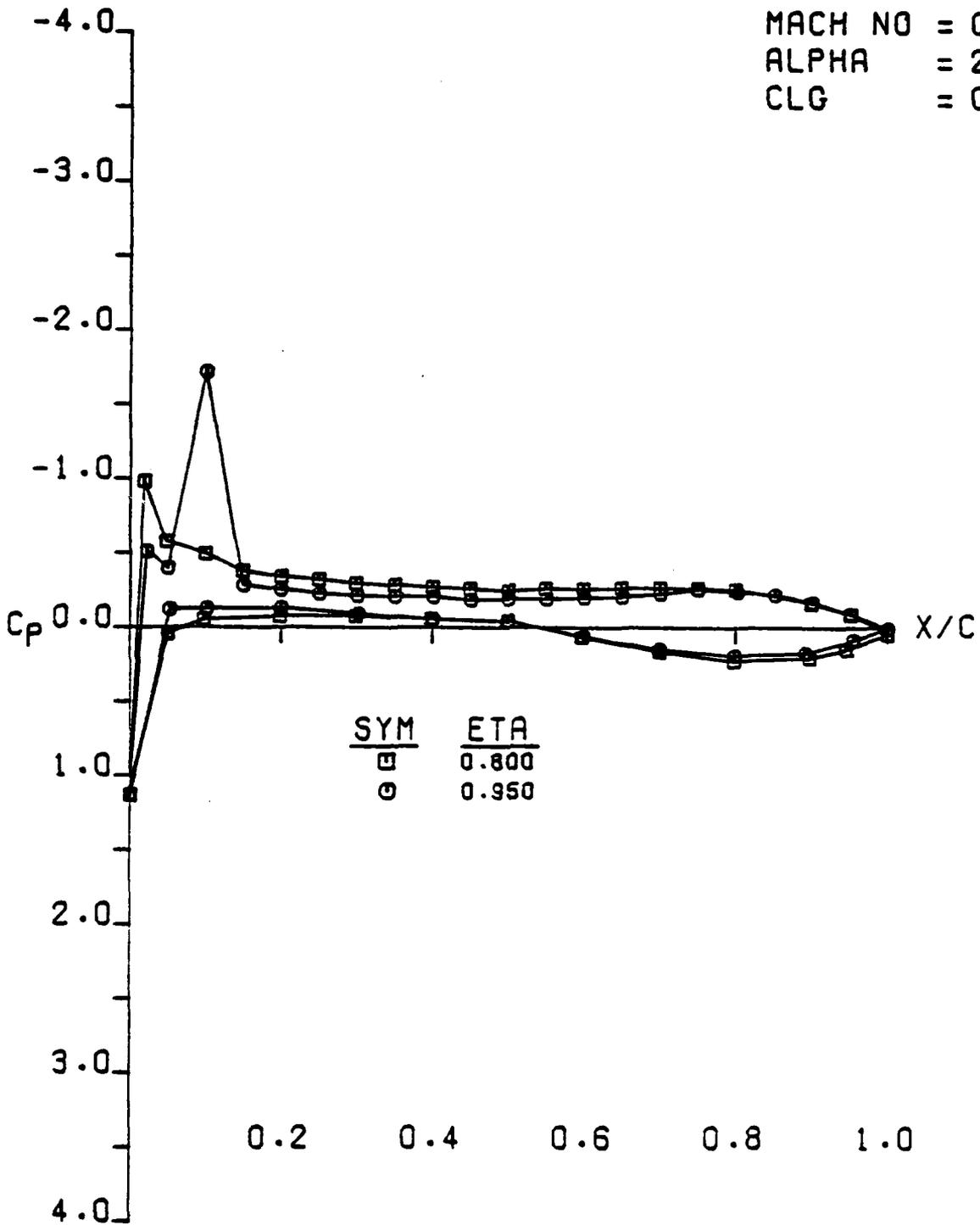
MACH NO = 0.703
 ALPHA = 2.979
 CL = 0.363
 CO = 0.021
 CM = -0.052

LOCKHEED CFWT SEMI-SPAN TEST, RUN 234 ;
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.703
 ALPHA = 2.979
 CLG = 0.363

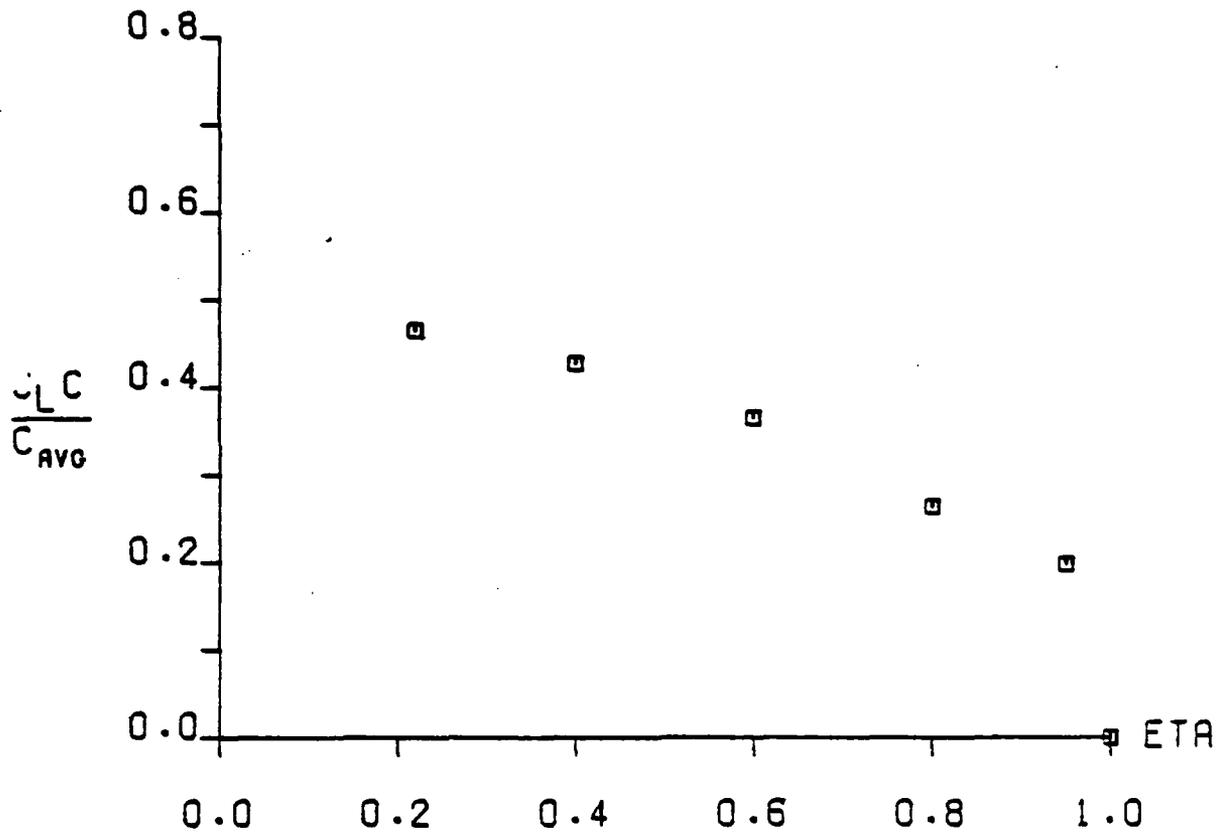


LOCKHEED CFWT SEMI-SPAN TEST, RUN 234
 TITLE
 AFOSR SEMISPAN MODEL B



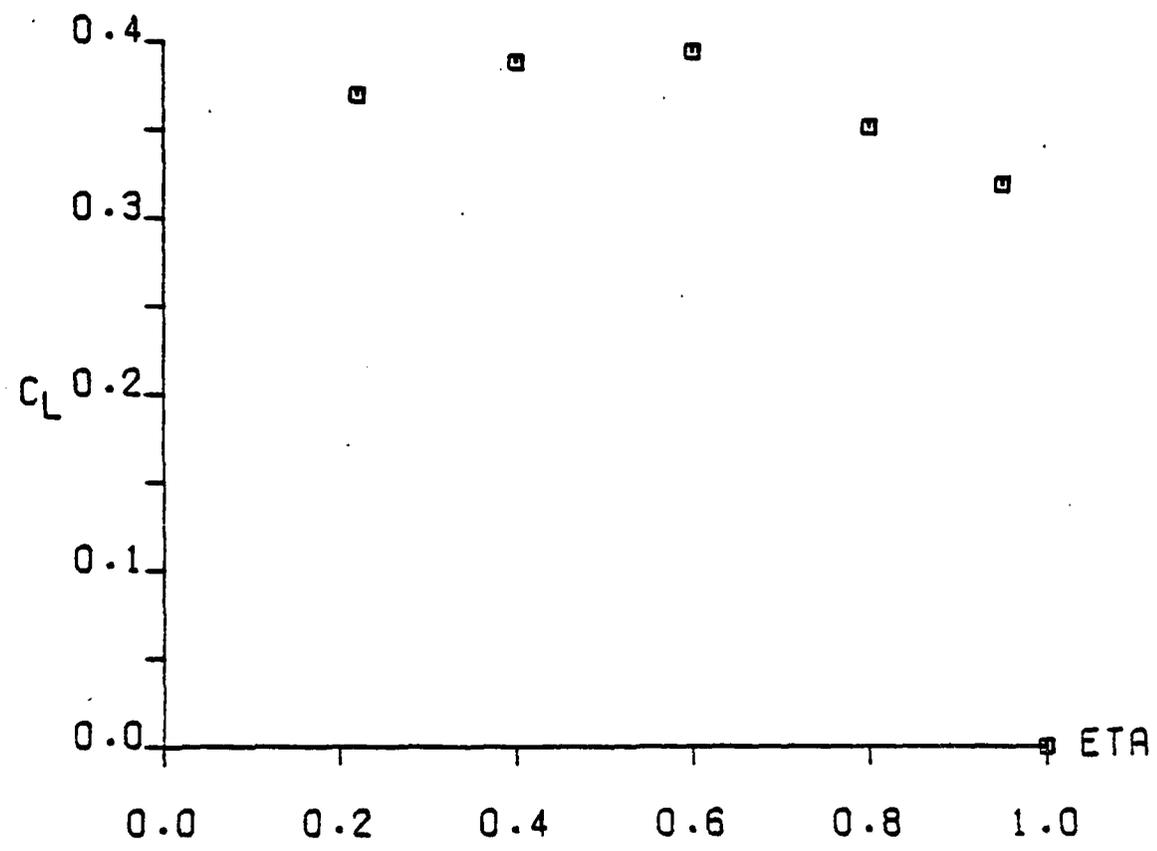
LOCKHEED CFWT SEMI-SPAN TEST, RUN 234
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.703
ALPHA = 2.979
CLG = 0.363



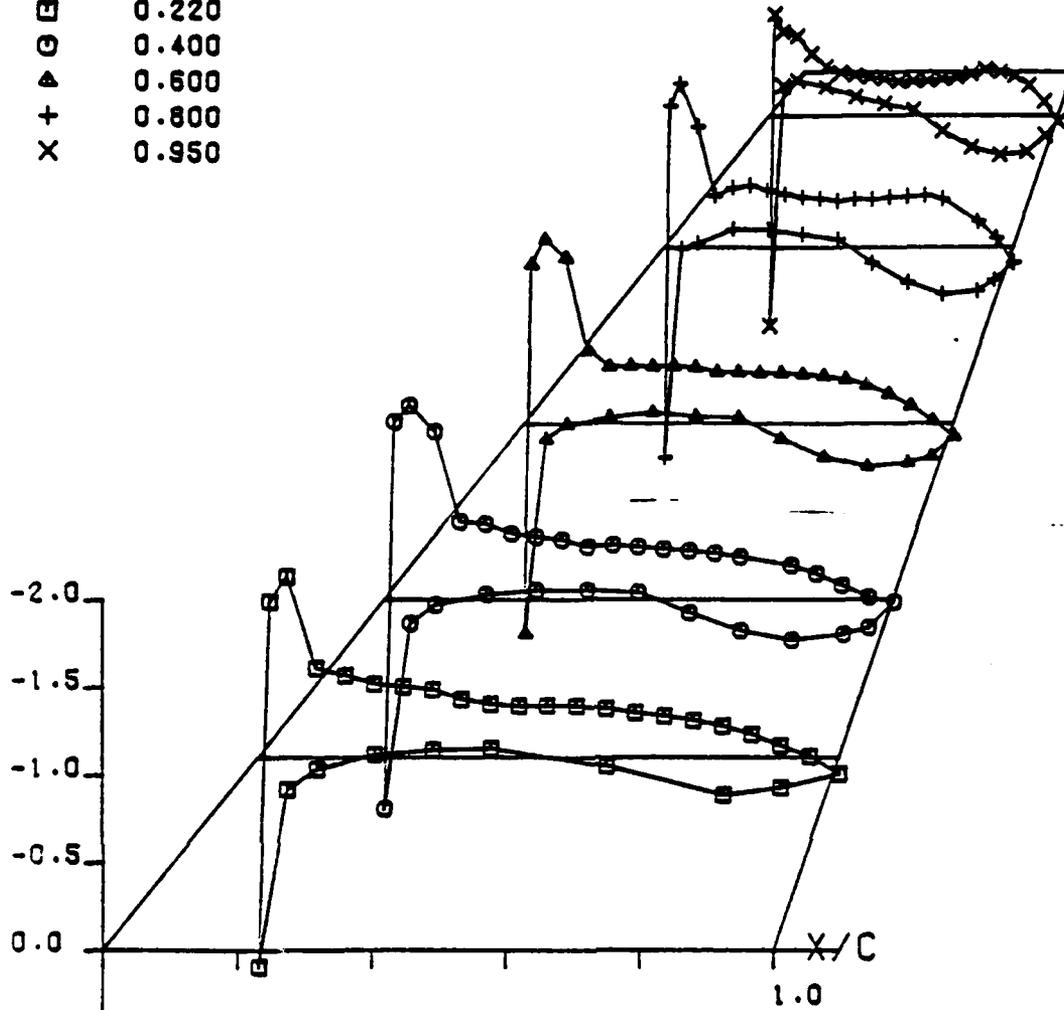
LOCKHEED CFWT SEMI-SPAN TEST, RUN 234
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.703
ALPHA = 2.979
CLG = 0.363



LOCKHEED CFWT SEMI-SPAN TEST, RUN 234
TITLE
AFOSR SEMISPAN MODEL B

<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
▲	0.600
+	0.800
x	0.950

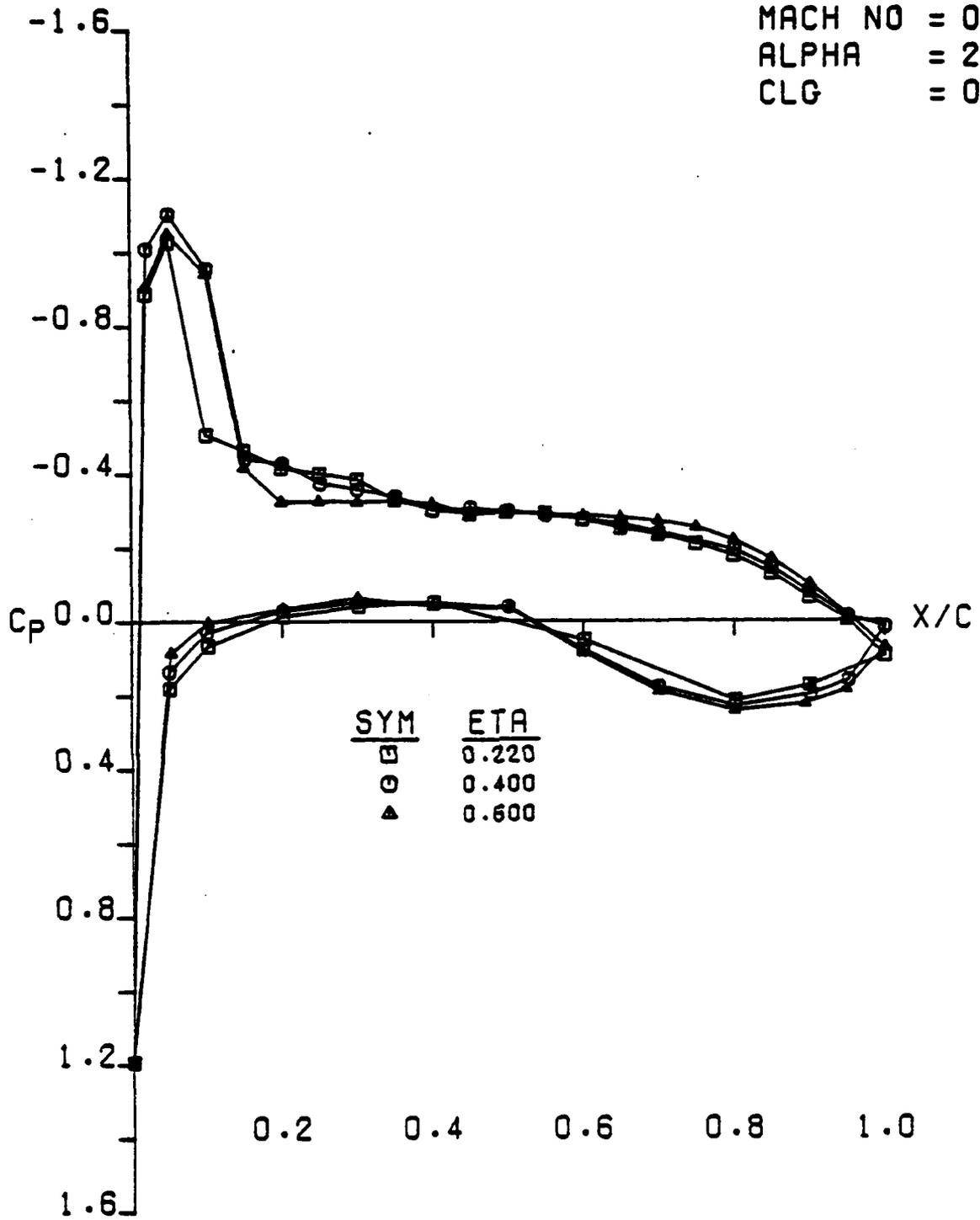


CONDITIONS

MACH NO =	0.851
ALPHA =	2.950
CL =	0.388
CD =	0.024
CM =	-0.063
CLG =	0.388

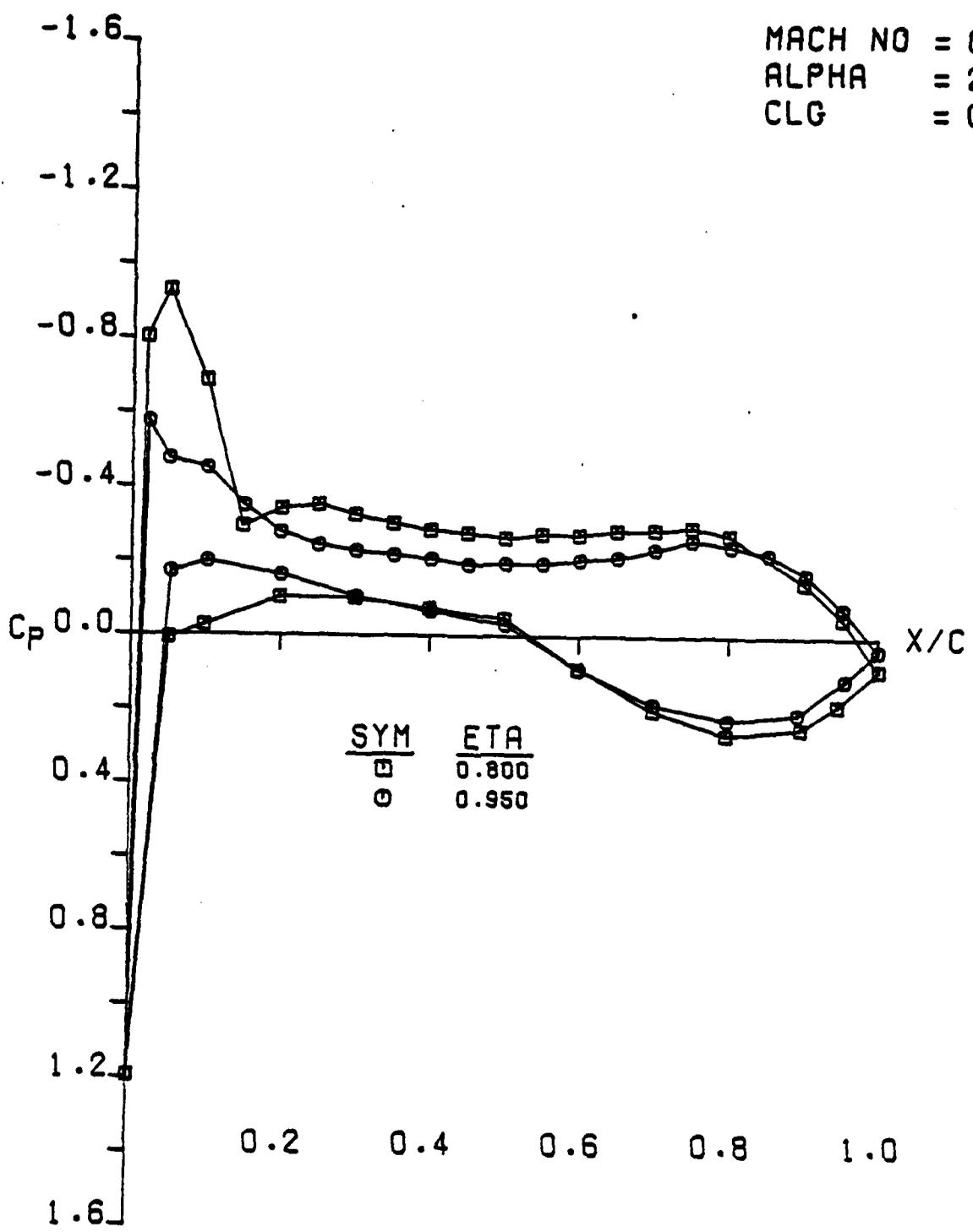
LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.851
 ALPHA = 2.950
 CLG = 0.388



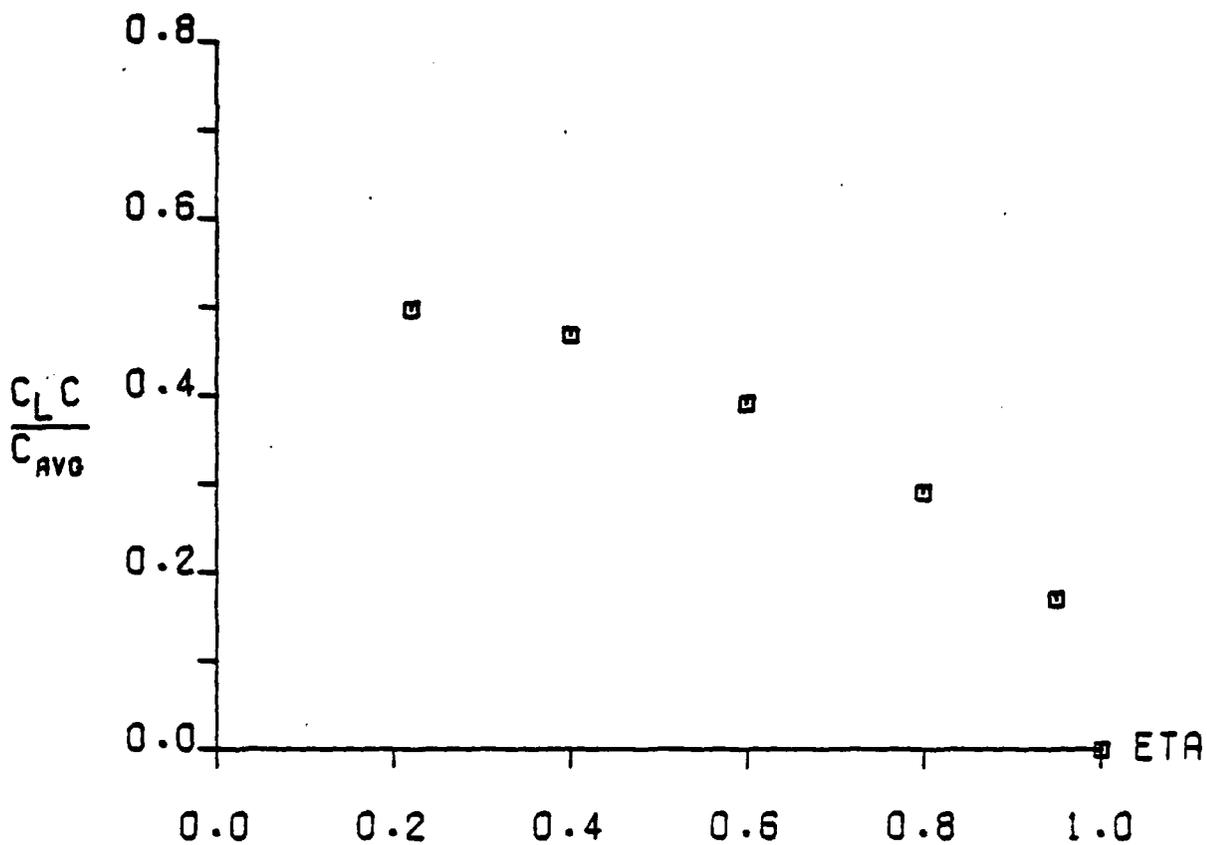
LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.851
 ALPHA = 2.950
 CLG = 0.388



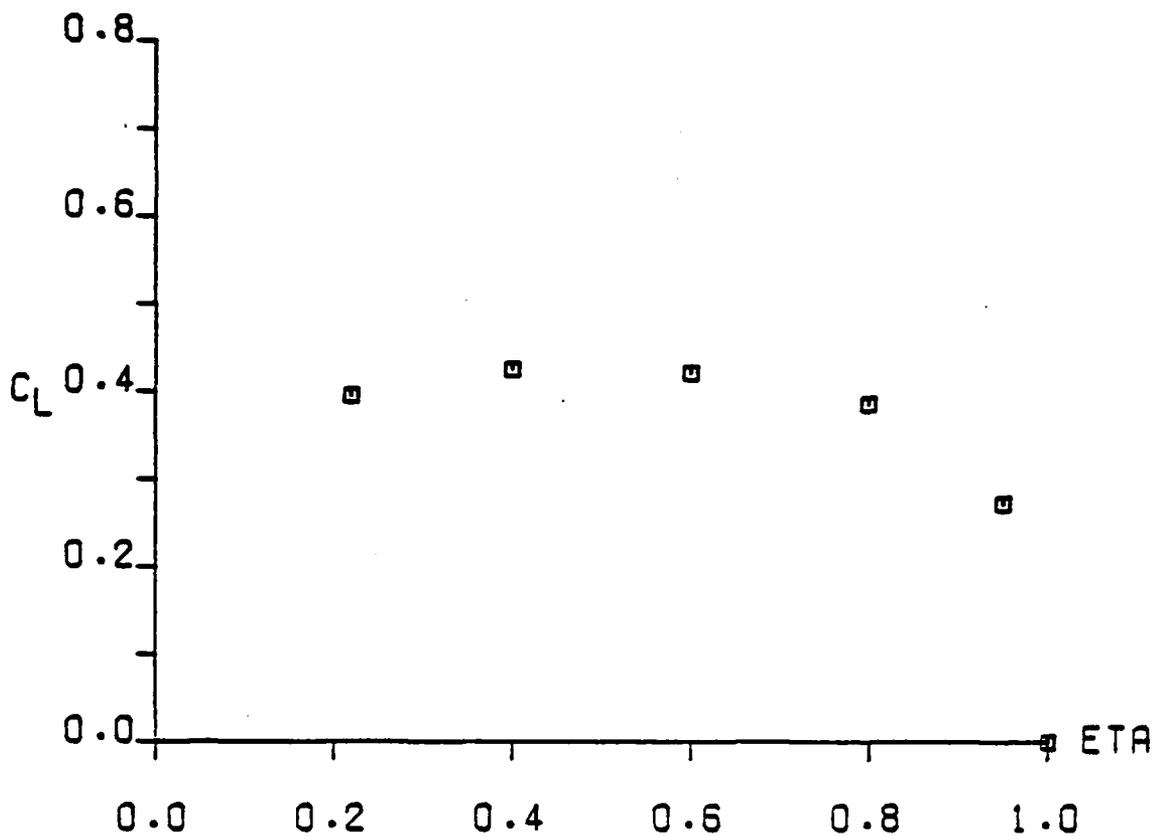
LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.851
ALPHA = 2.950
CLG = 0.388



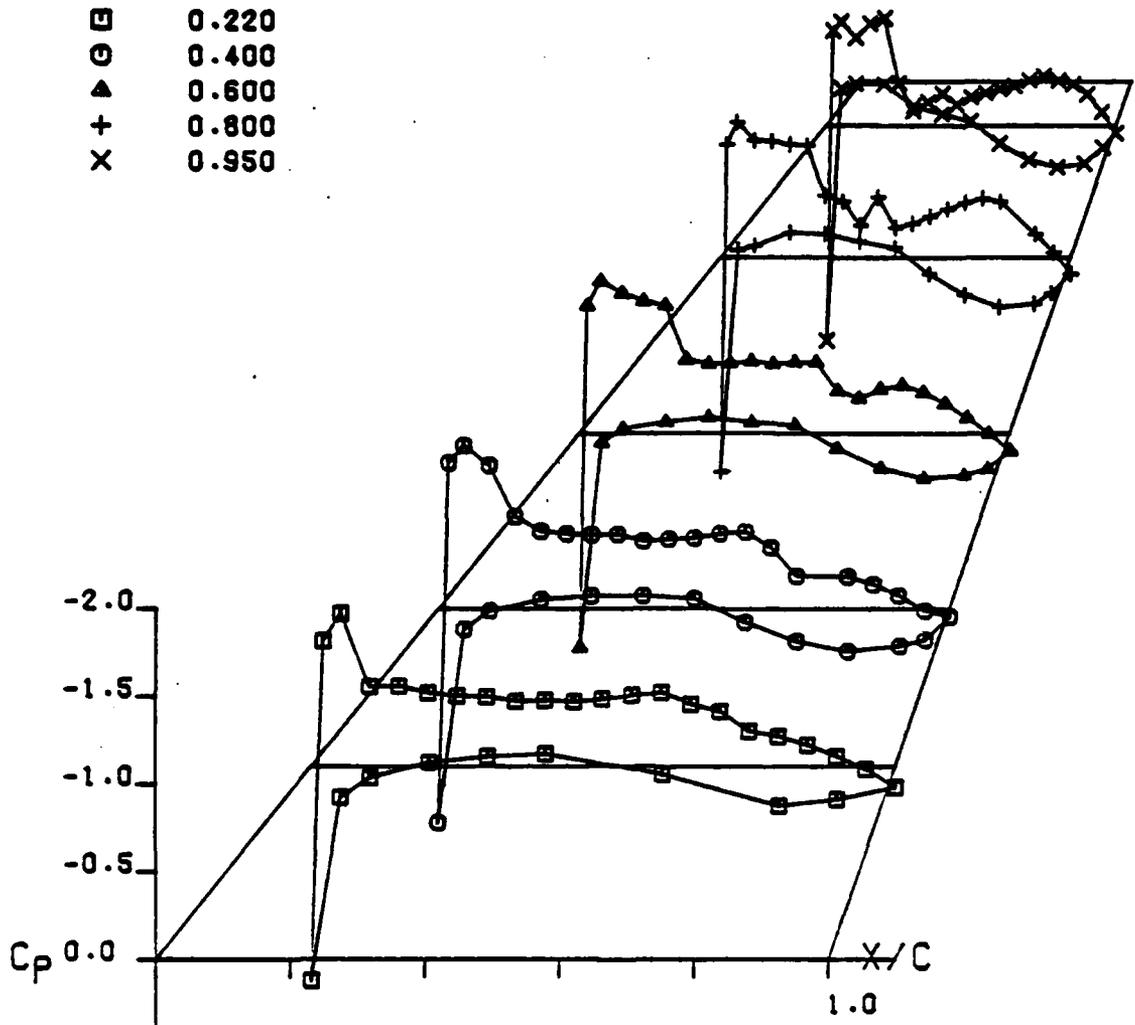
LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.851
ALPHA = 2.950
CLG = 0.388



LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
TITLE
AFOSR SEMISPAN MODEL B

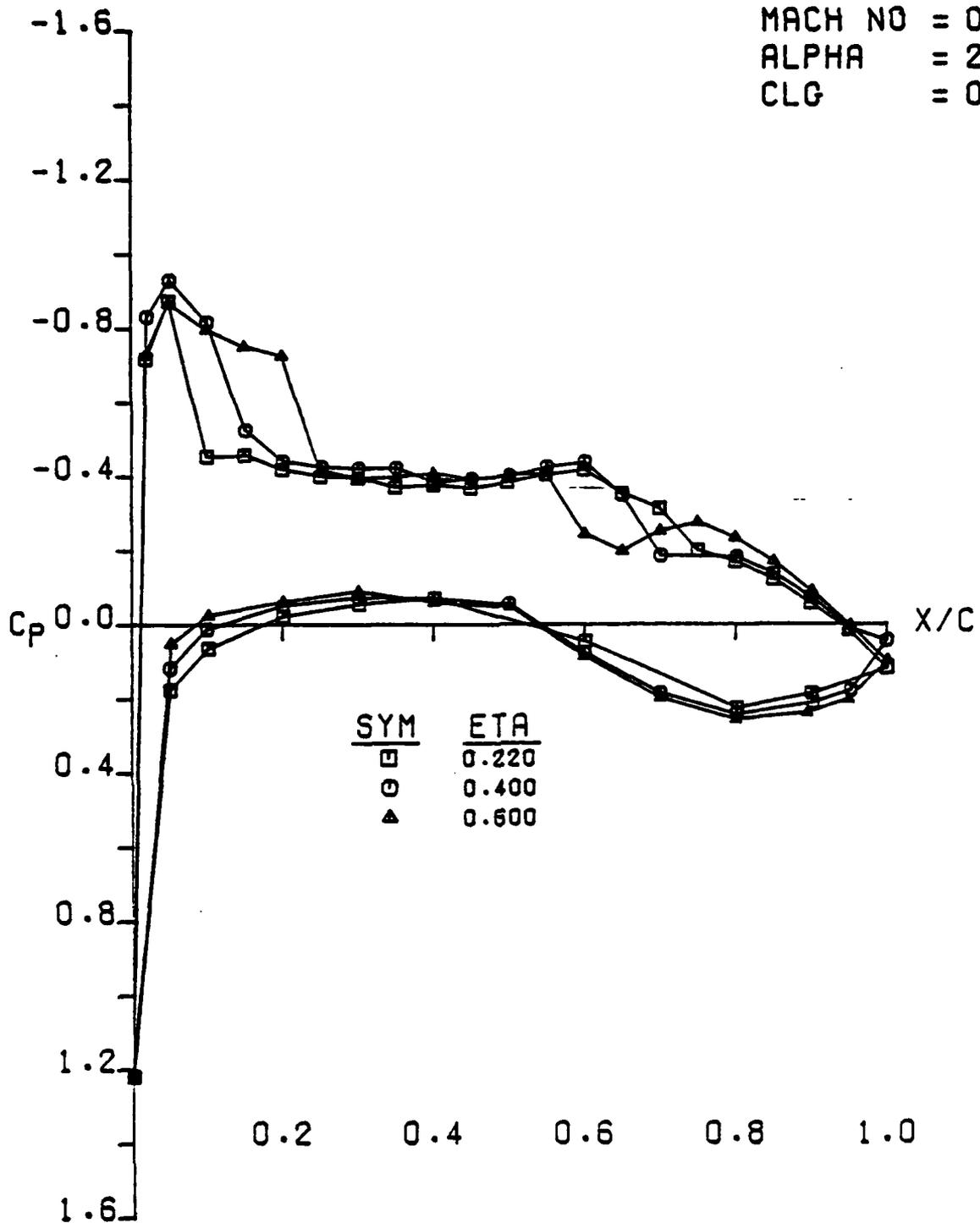
<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
▲	0.600
+	0.800
X	0.950



<u>CONDITIONS</u>	
MACH NO =	0.902
ALPHA =	2.954
CL =	0.411
CD =	0.028
CM =	-0.076
CLG =	0.411

LOCKHEED CFWT SEMI-SPAN TEST, RUN 28
 TITLE
 AFOSR SEMISPAN MODEL B

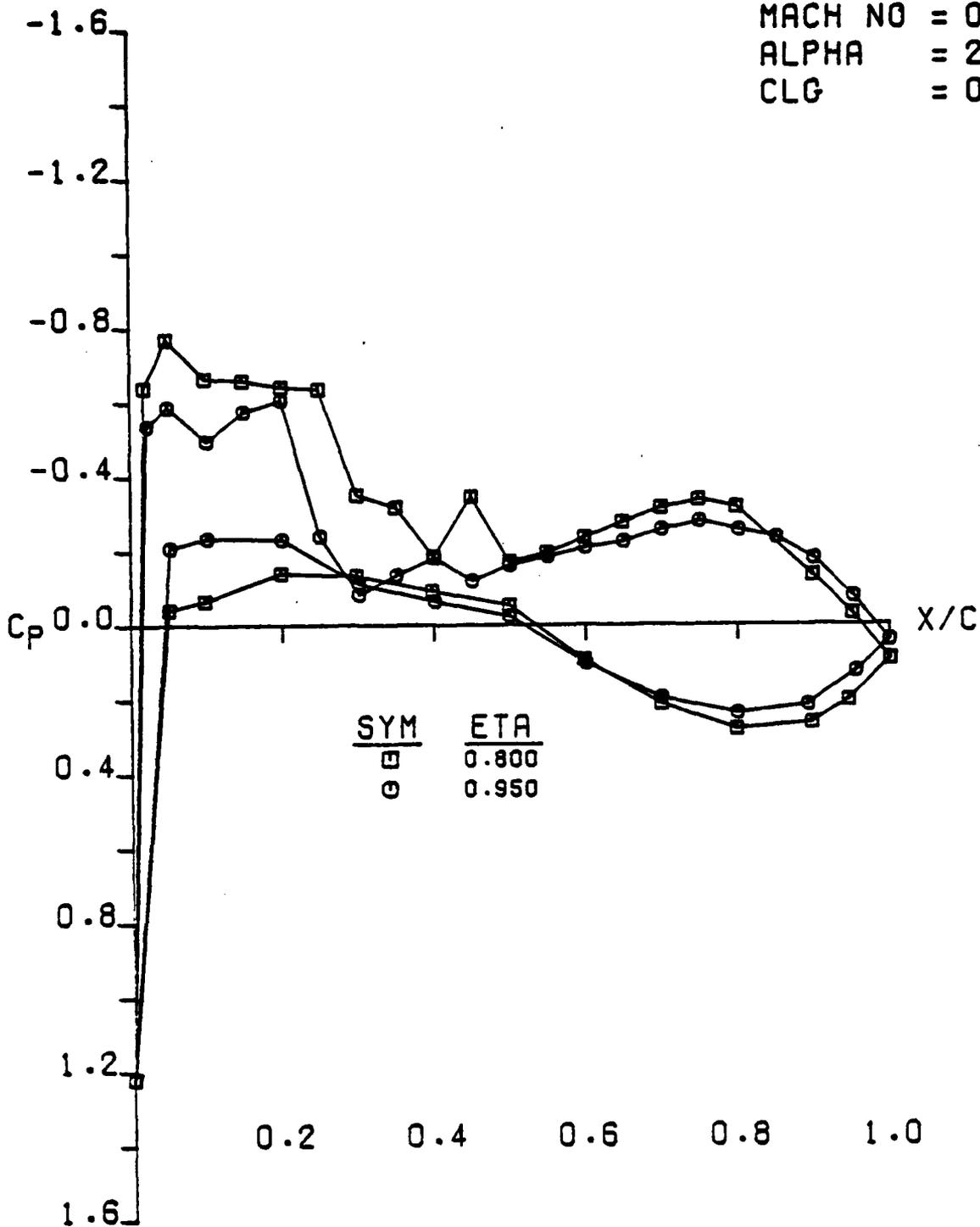
MACH NO = 0.902
 ALPHA = 2.954
 CLG = 0.411



<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
△	0.600

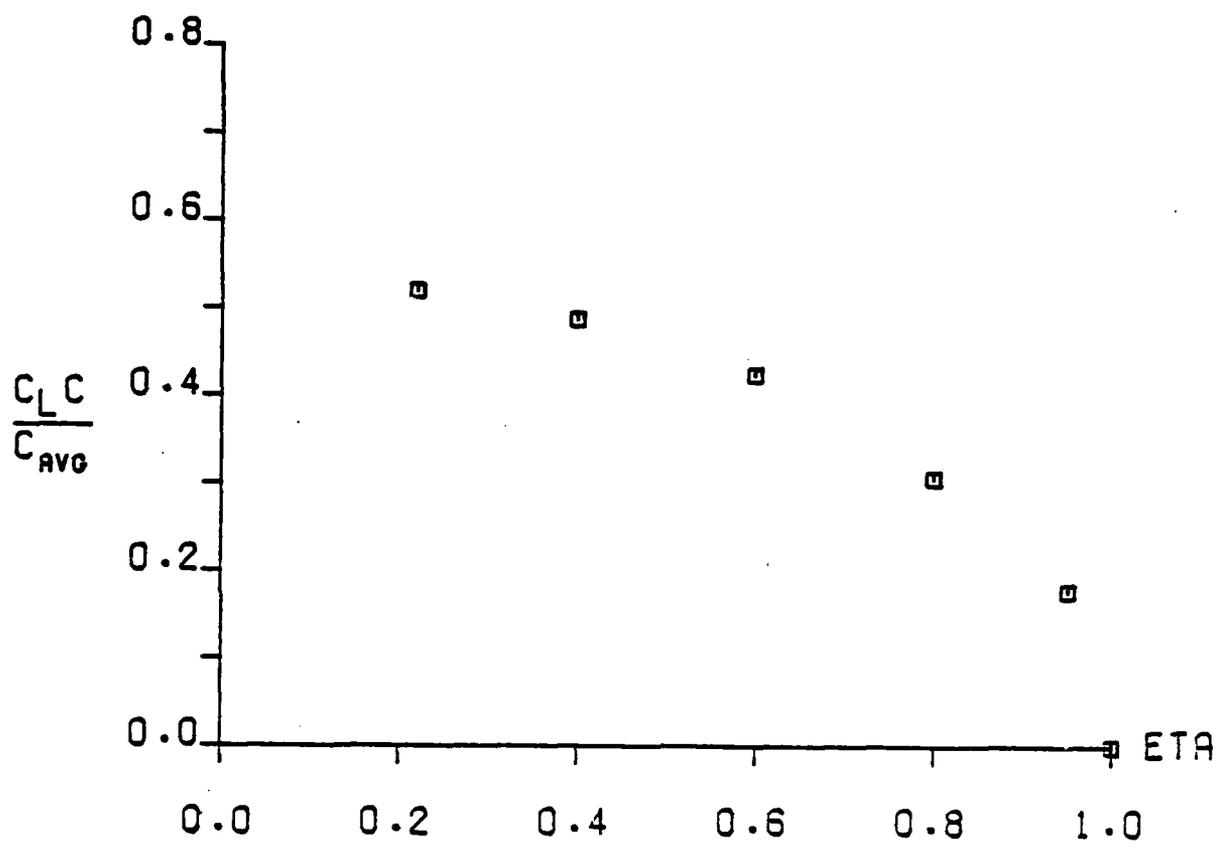
LOCKHEED CFWT SEMI-SPAN TEST, RUN 28
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.902
 ALPHA = 2.954
 CLG = 0.411



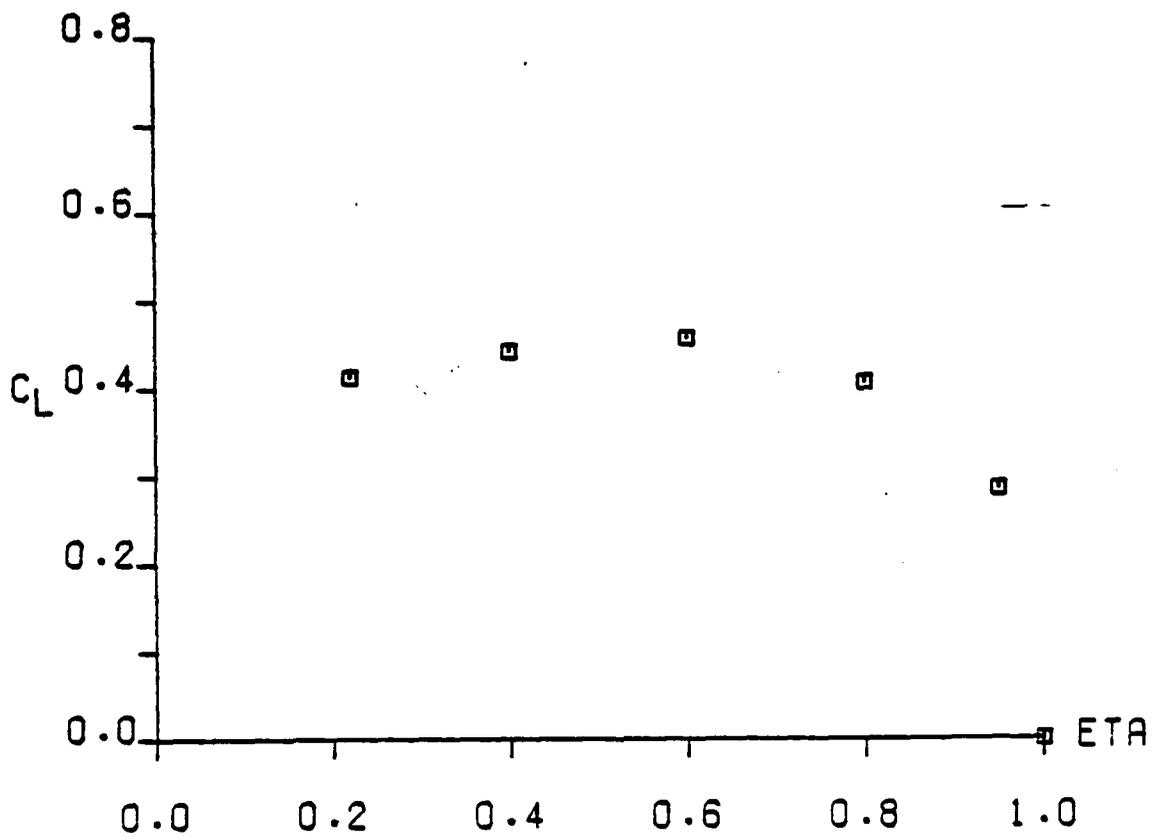
LOCKHEED CFWT SEMI-SPAN TEST, RUN 28
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.902
ALPHA = 2.954
CLG = 0.411



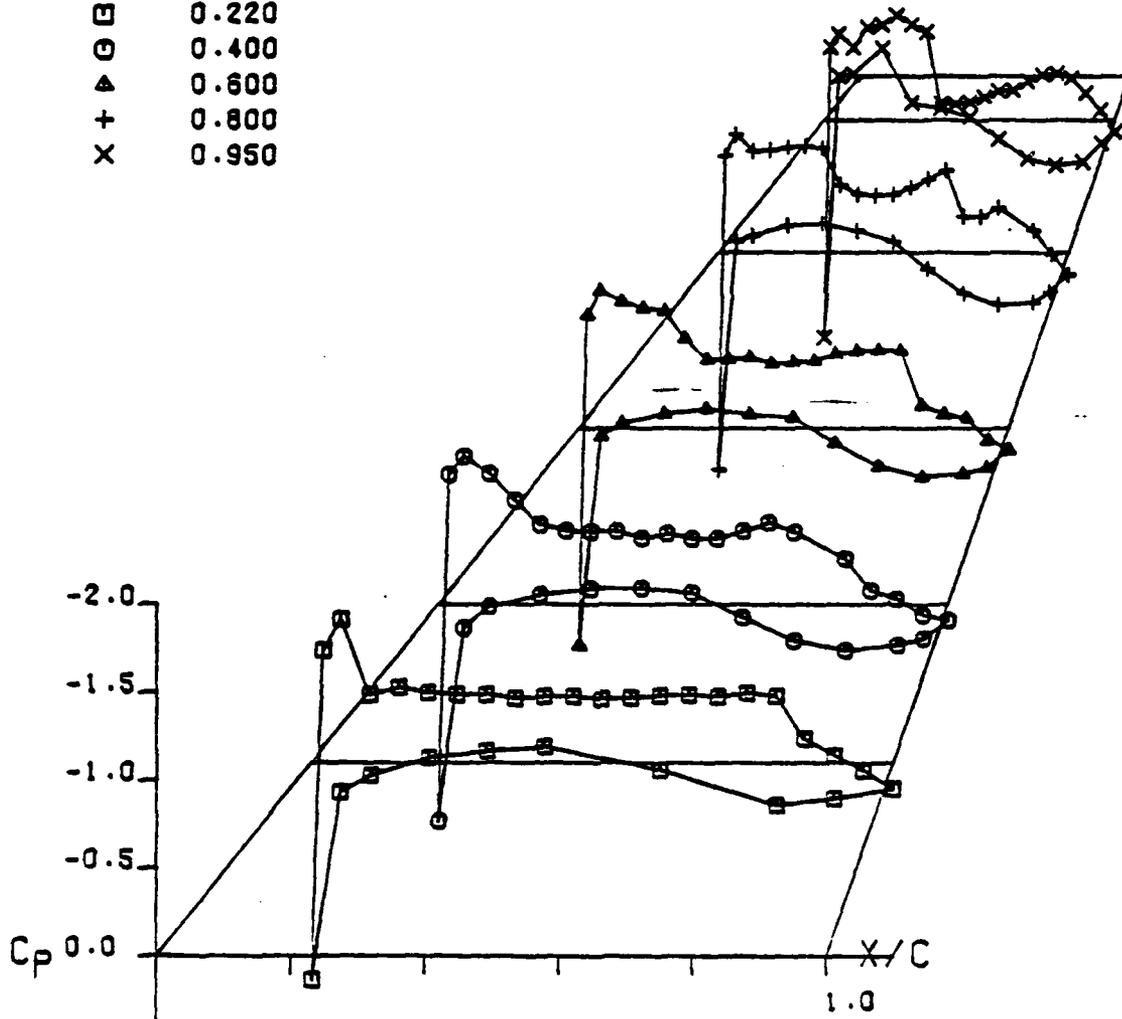
LOCKHEED CFWT SEMI-SPAN TEST, RUN 28
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.902
ALPHA = 2.954
CLG = 0.411



LOCKHEED CFWT SEMI--SPAN TEST, RUN 28
TITLE
AFOSR SEMISPAN MODEL B

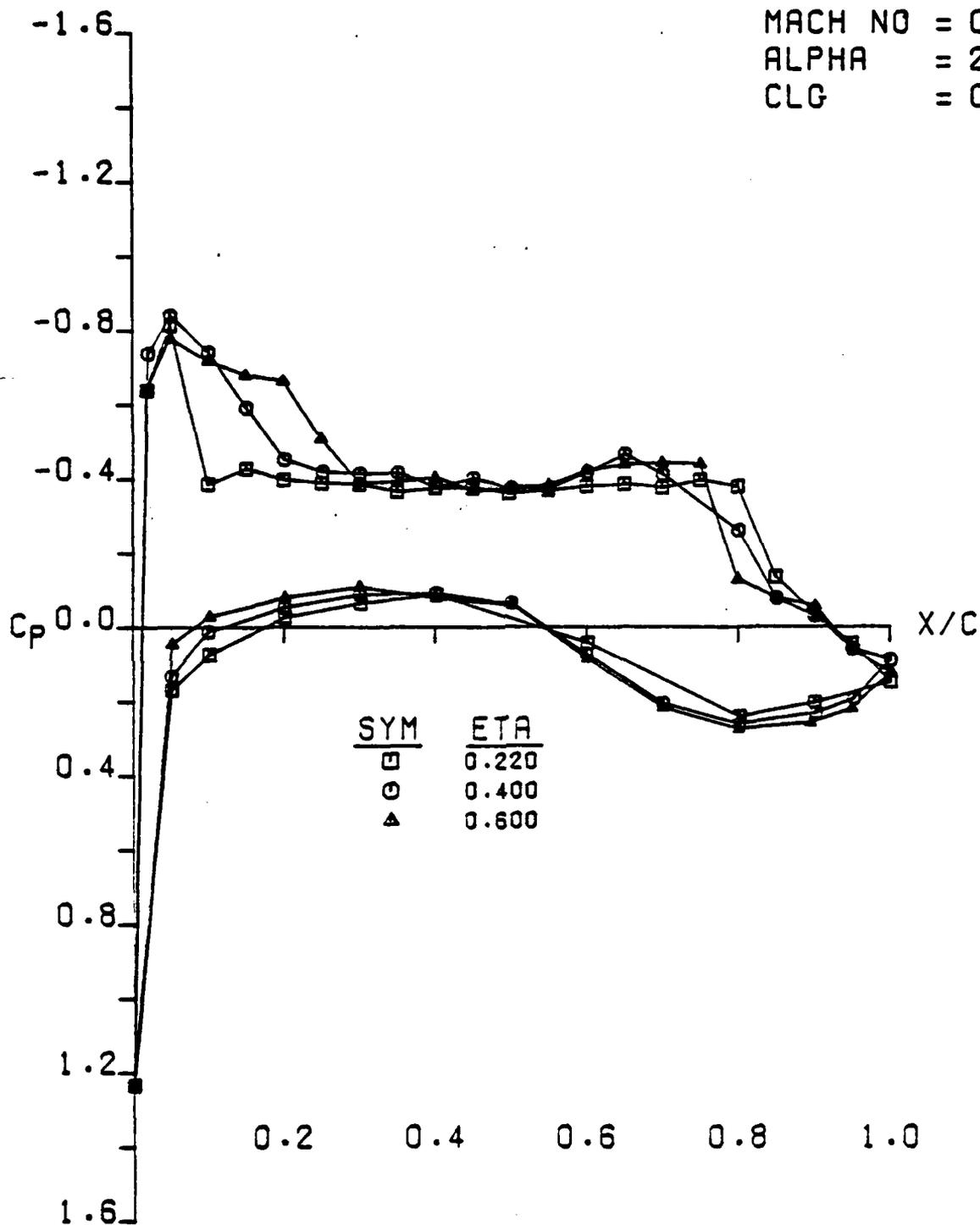
<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
▲	0.600
+	0.800
X	0.950



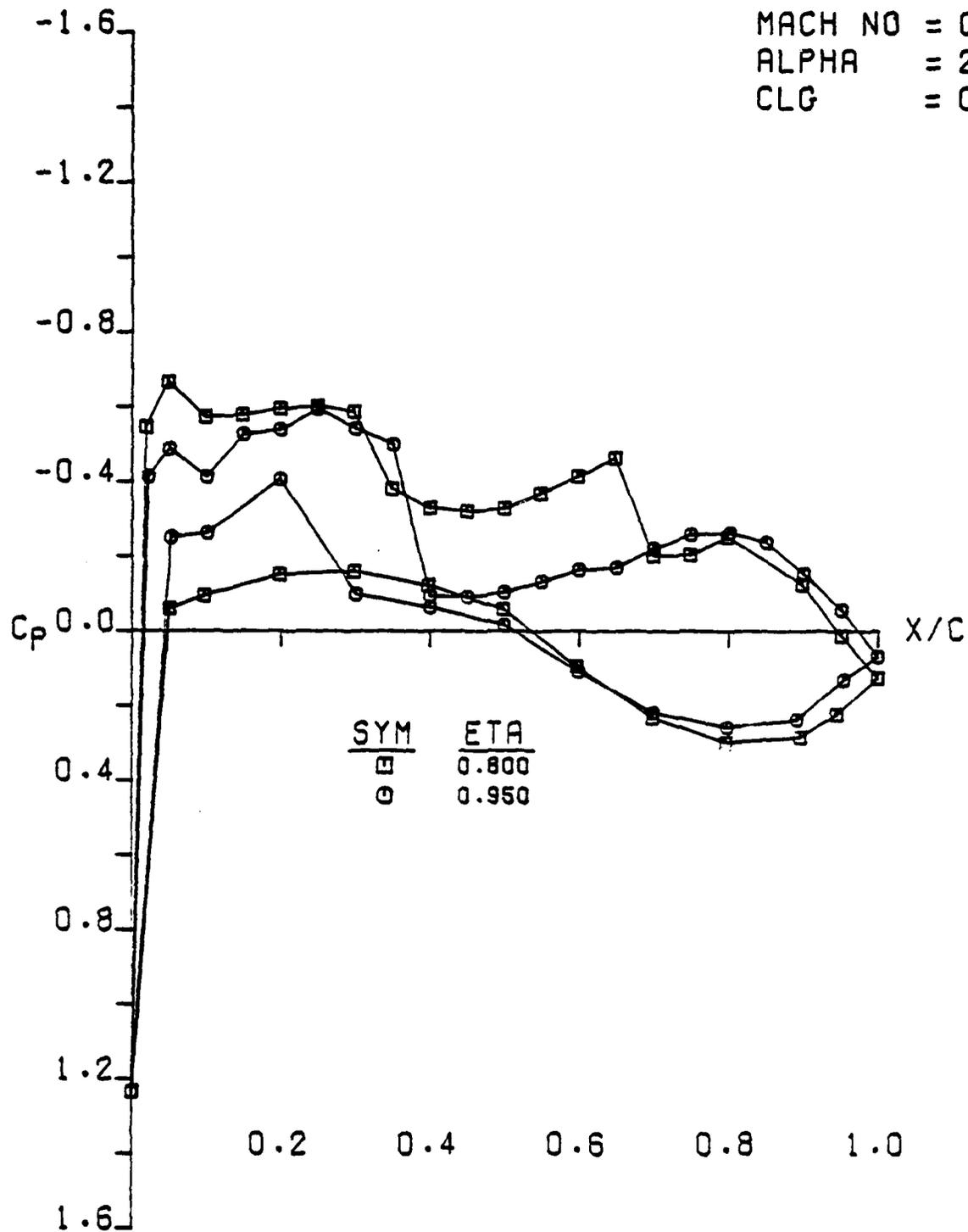
CONDITIONS

MACH NO = 0.928
 ALPHA = 2.957
 CL = 0.414
 CD = 0.030
 CM = -0.092
 CLG = 0.414

LOCKHEED CFWT SEMI-SPAN TEST, RUN 69
 TITLE
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 69
 TITLE
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 69
 TITLE
 AFOSR SEMISPAN MODEL B

AD-A085 259

LOCKHEED-GEORGIA CO MARIETTA
ACQUISITION AND APPLICATION OF TRANSONIC WING AND FAR-FIELD TEST--ETC(U)
MAR 80 B L HINSON, K P BURDGES
L880ER0012-VOL-2

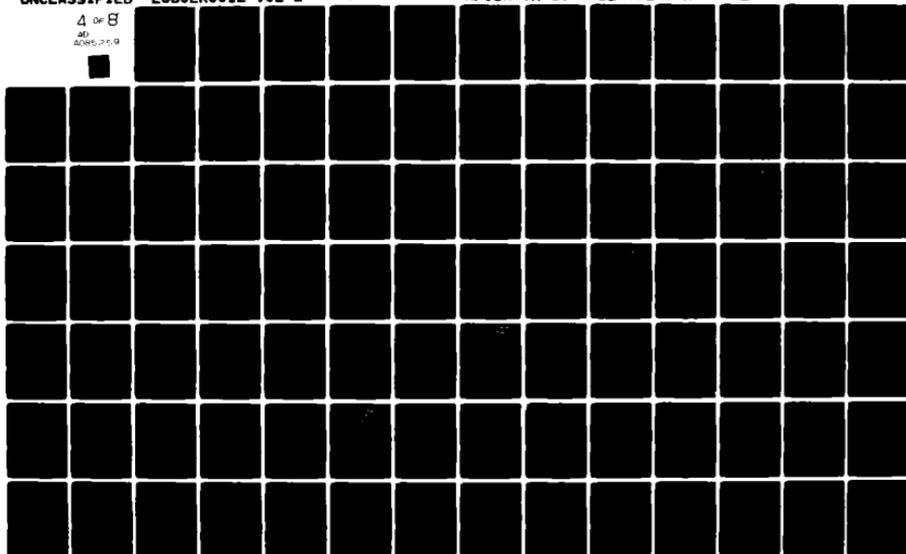
F/G 20/4

F49620-78-C-0068

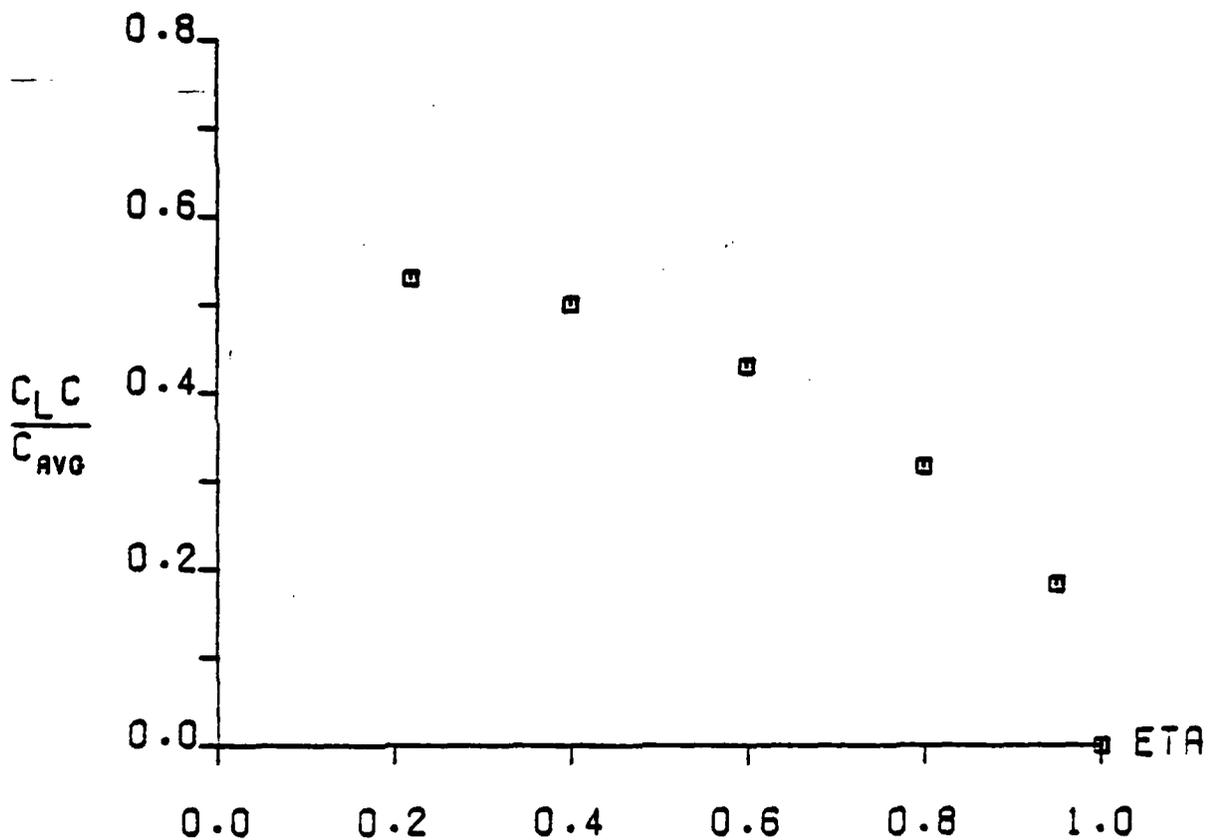
UNCLASSIFIED

AFOSR-TR-80-0422-VOL-2-APP NL

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AD
A085 259

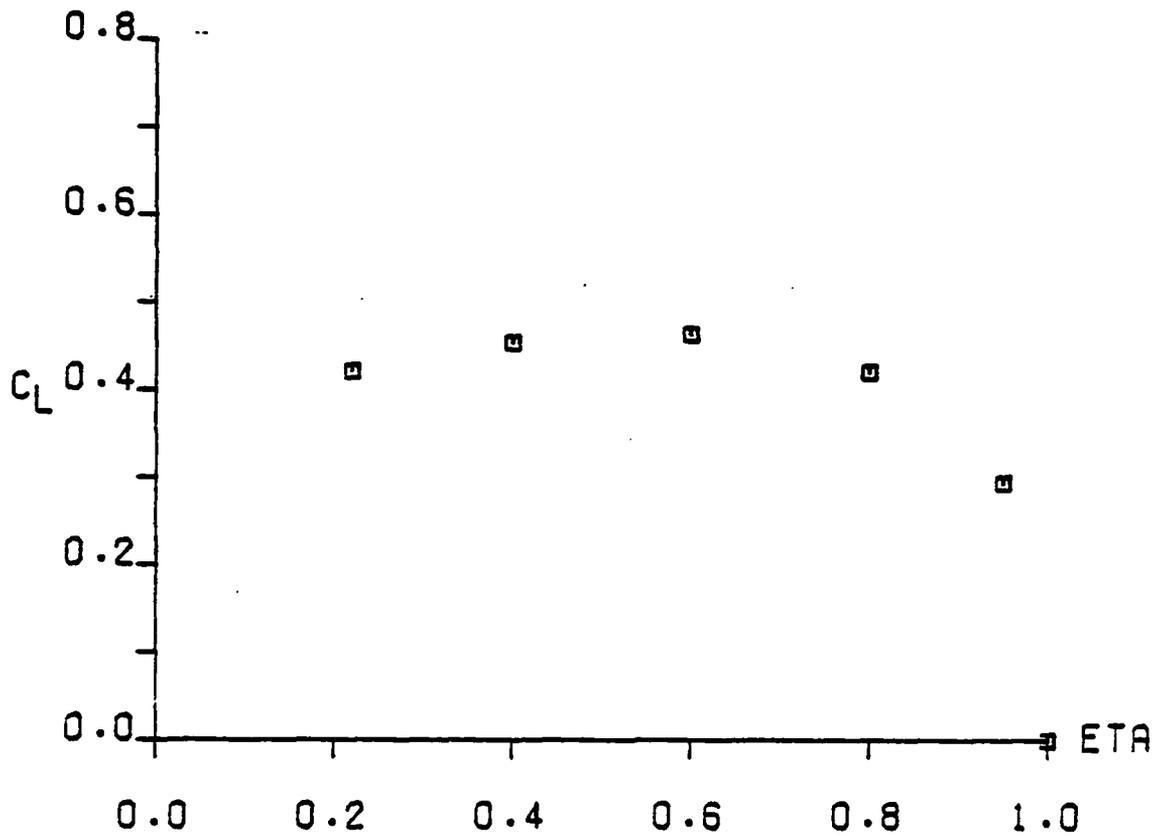


MACH NO = 0.928
ALPHA = 2.957
CLG = 0.414

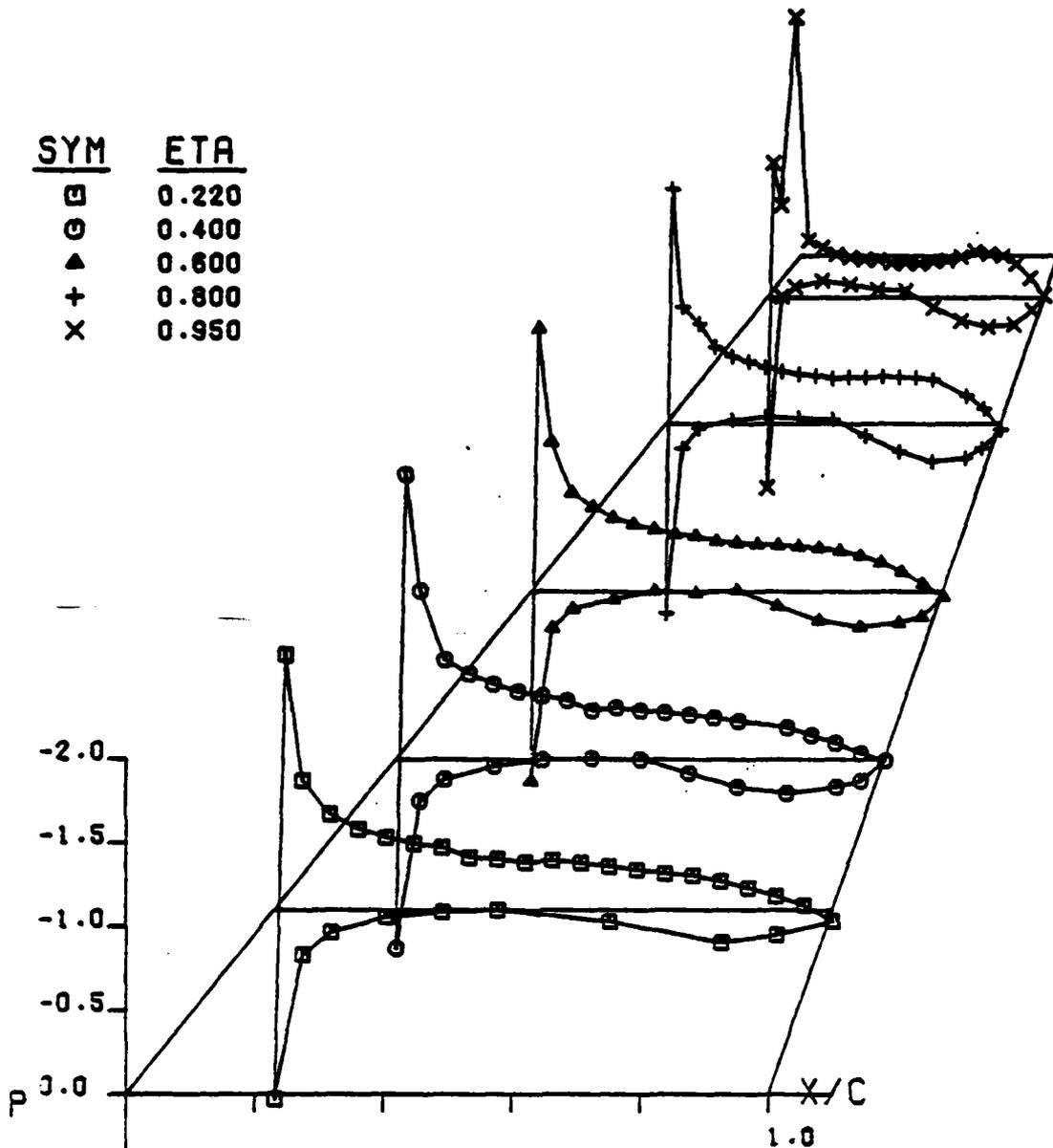


LOCKHEED CFWT SEMI-SPAN TEST, RUN 69
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.928
ALPHA = 2.957
CLG = 0.414



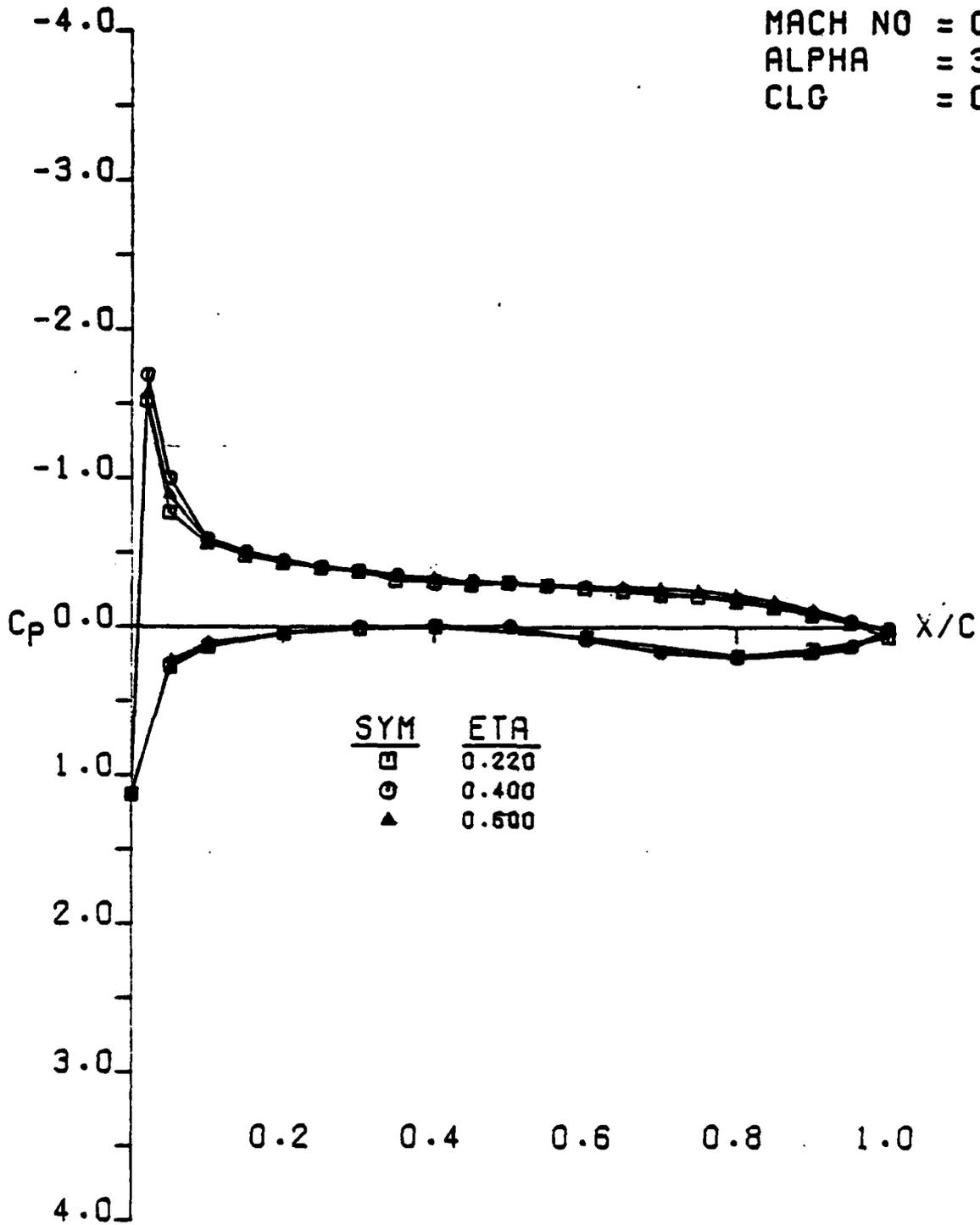
LOCKHEED CFWT SEMI-SPAN TEST, RUN 69
TITLE
AFOSR SEMISPAN MODEL B



CONDITIONS
MACH NO = 0.703
ALPHA = 3.965
CL = 0.433
CD = 0.027
CM = -0.054
CLG = 0.433

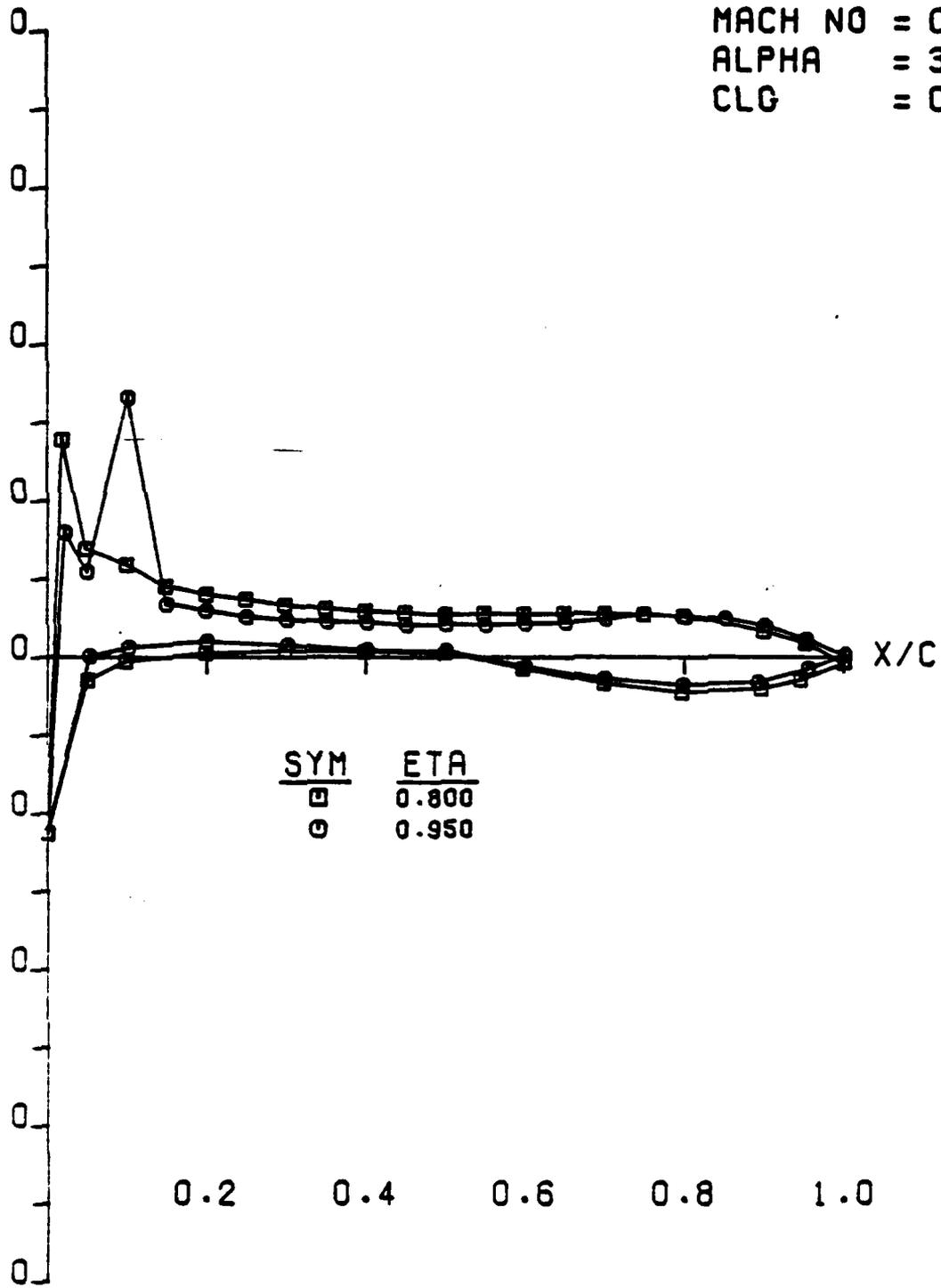
LOCKHEED CFWT SEMI-SPAN TEST, RUN 235
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.703
ALPHA = 3.965
CLG = 0.433



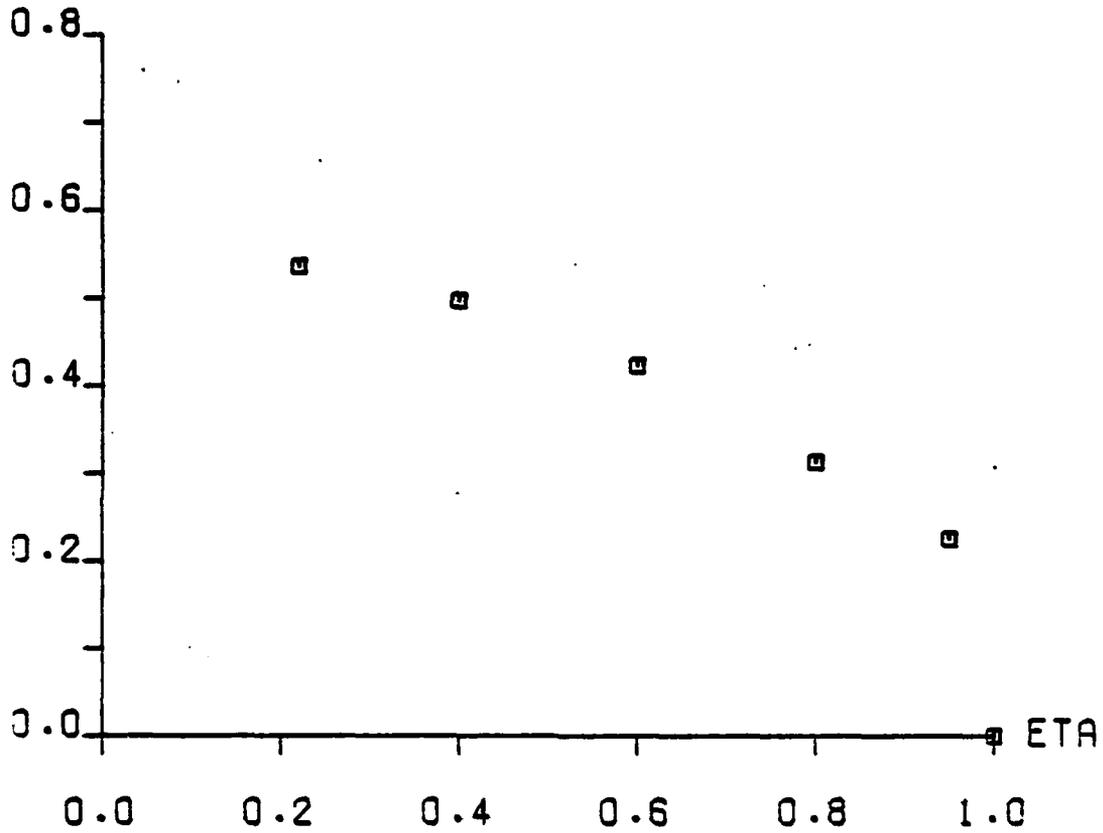
LOCKHEED CFWT SEMI-SPAN TEST, RUN 235
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.703
 ALPHA = 3.965
 CLG = 0.433



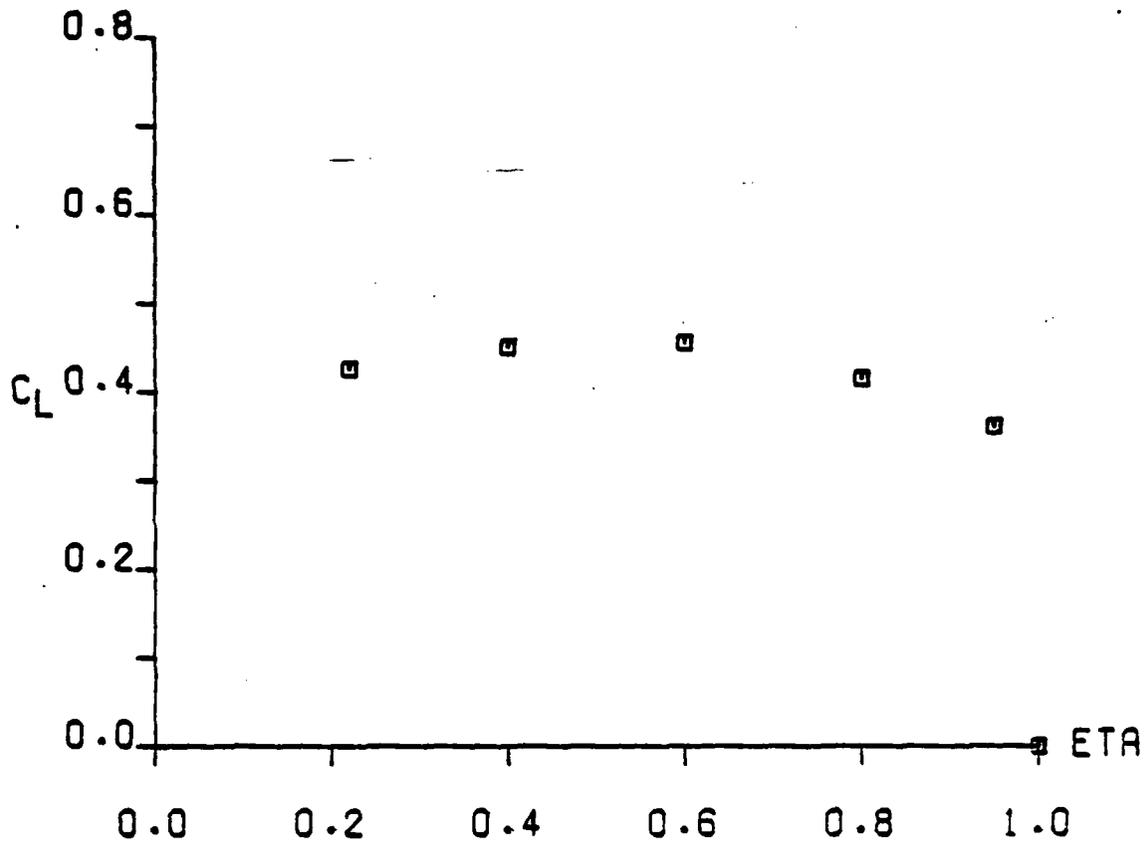
LOCKHEED CFWT SEMI-SPAN TEST, RUN 235
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.703
ALPHA = 3.965
CLG = 0.433

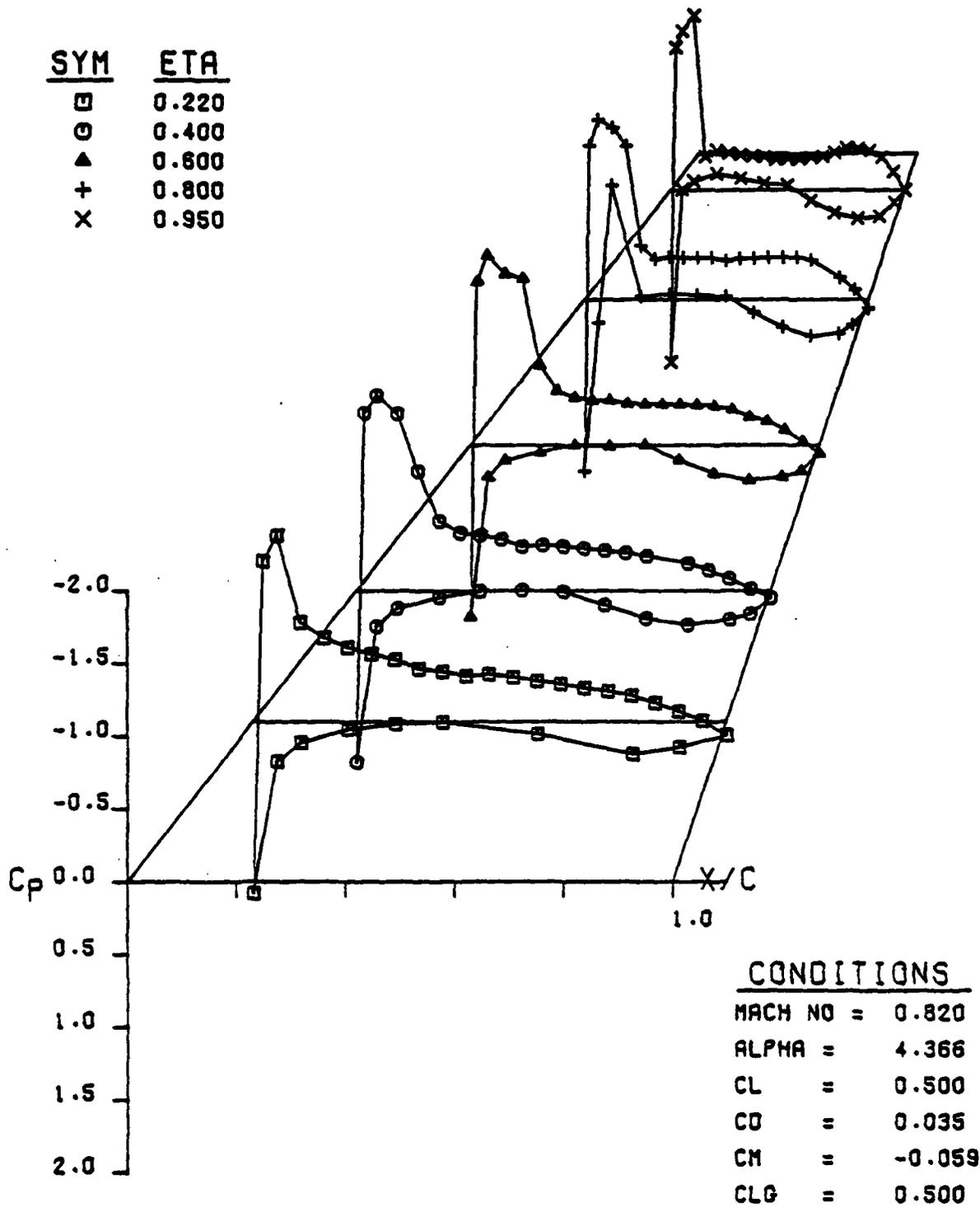


LOCKHEED CFWT SEMI-SPAN TEST, RUN 235
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.703
ALPHA = 3.965
CLG = 0.433

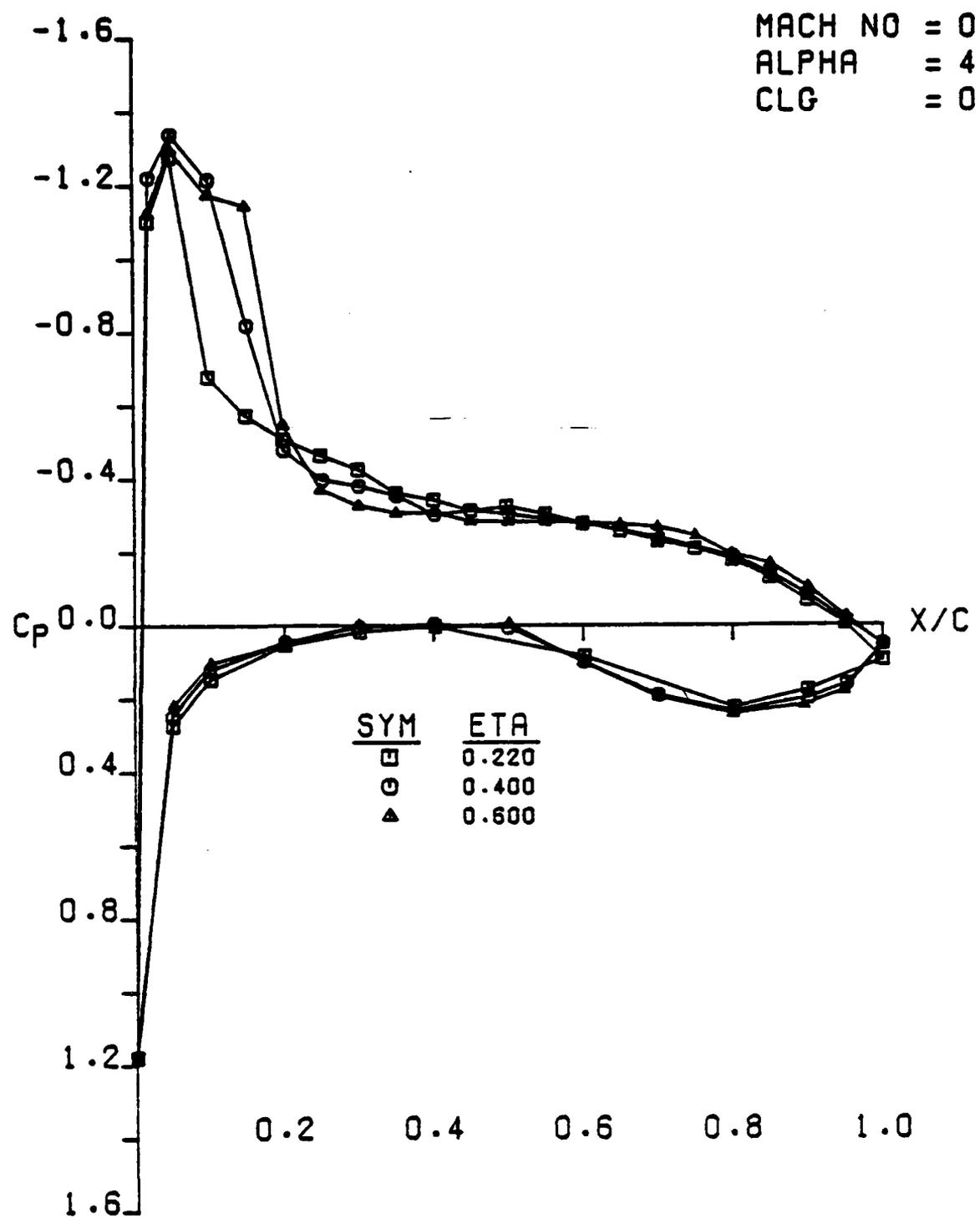


LOCKHEED CFWT SEMI-SPAN TEST, RUN 235
TITLE
AFOSR SEMISPAN MODEL B



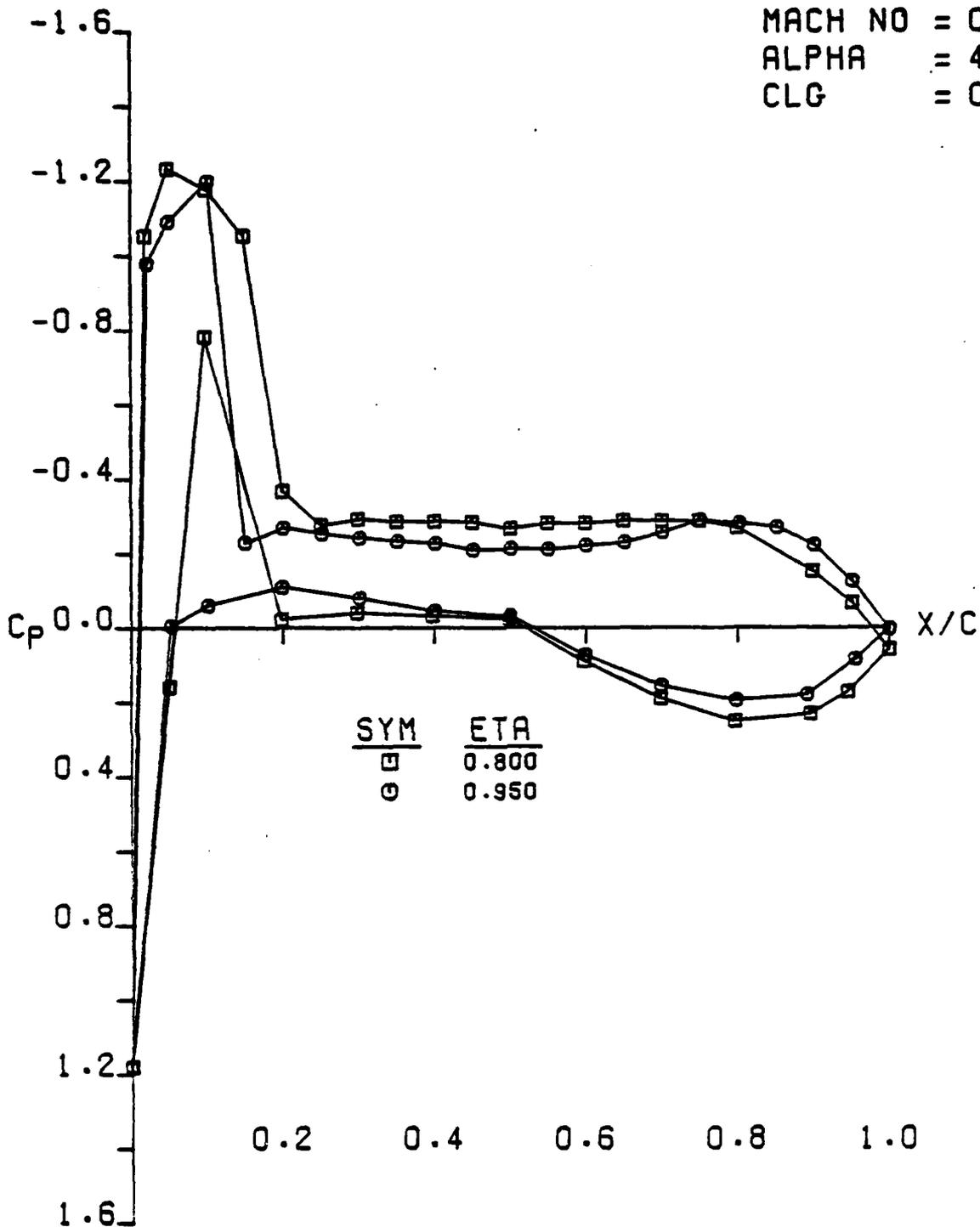
LOCKHEED CFWT SEMI-SPAN TEST, RUN 192
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.820
 ALPHA = 4.366
 CLG = 0.500



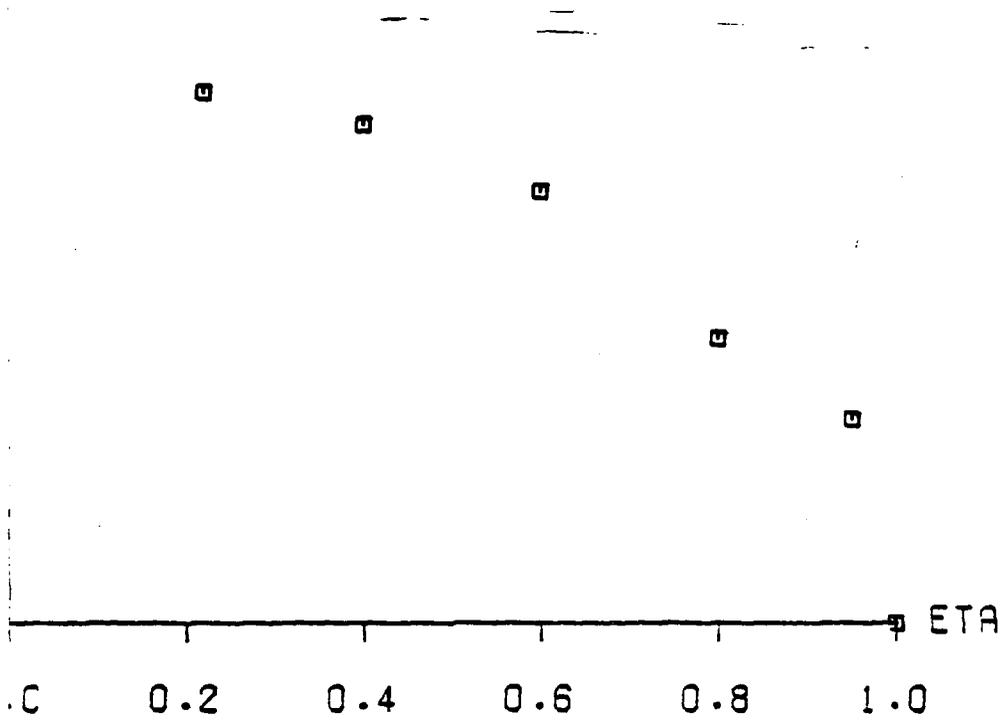
LOCKHEED CFWT SEMI-SPAN TEST, RUN 192
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.820
 ALPHA = 4.366
 CLG = 0.500



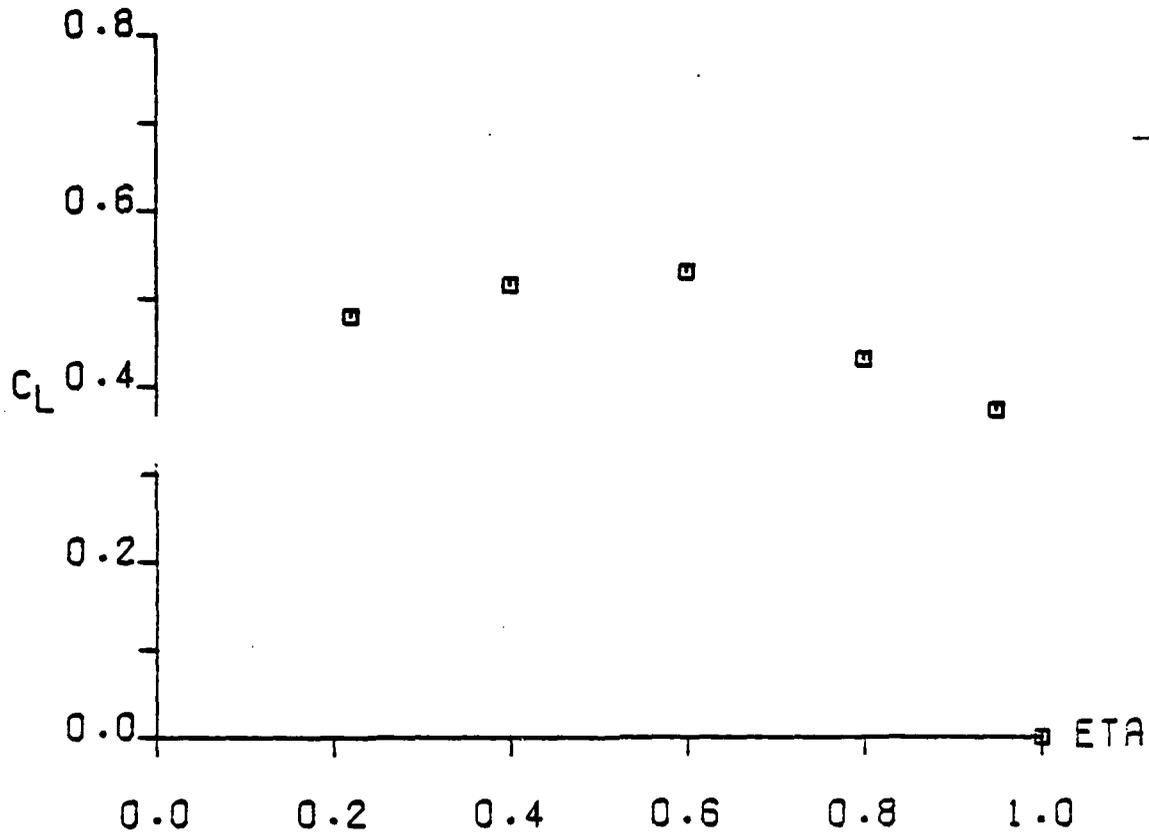
LOCKHEED CFWT SEMI-SPAN TEST, RUN 192
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.820
ALPHA = 4.366
CLG = 0.500



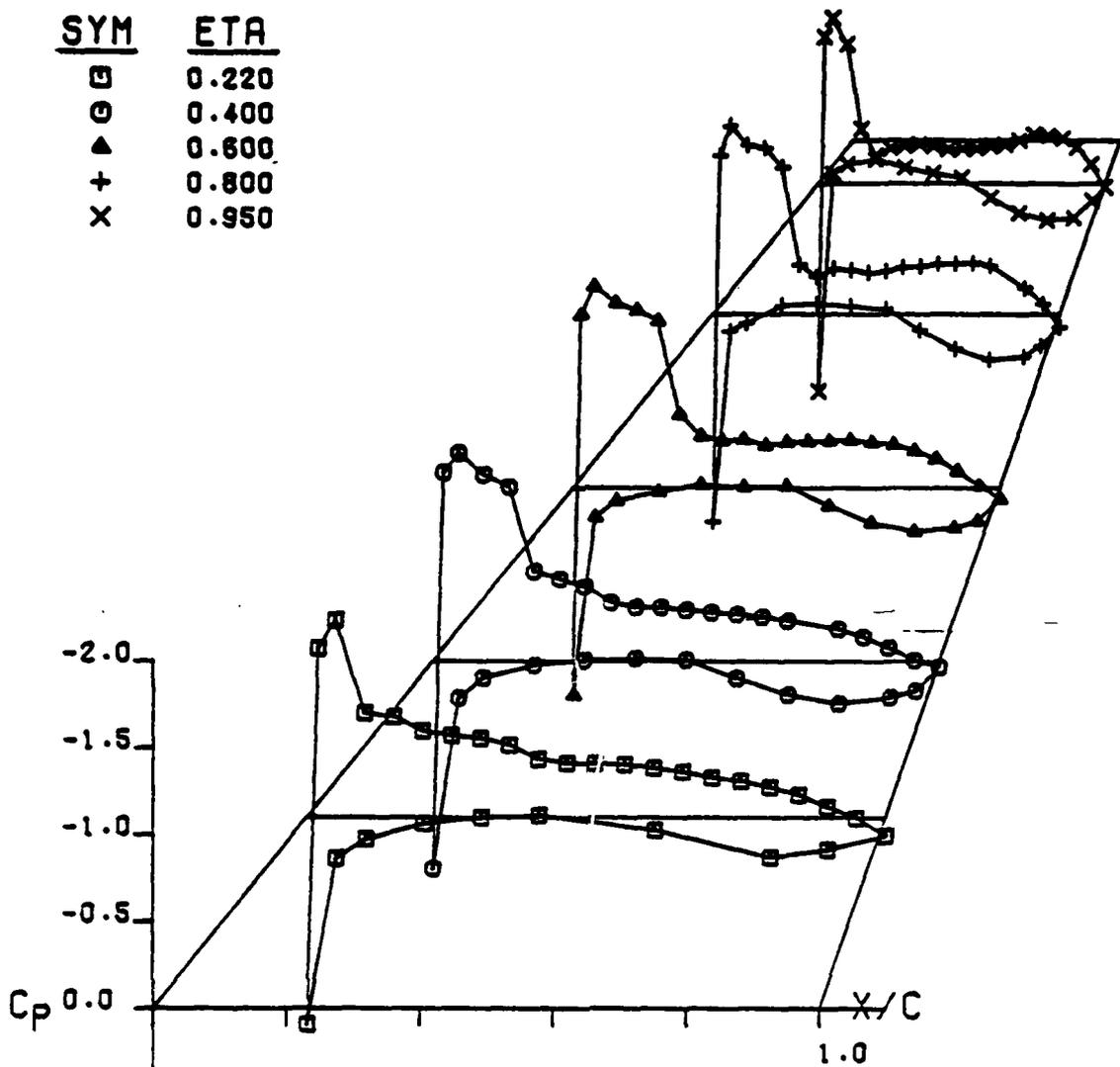
LOCKHEED CFWT SEMI-SPAN TEST, RUN 192
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.820
ALPHA = 4.366
CLG = 0.500



LOCKHEED CFWT SEMI-SPAN TEST, RUN 192
TITLE
AFOSR SEMISPAN MODEL B

<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
▲	0.600
+	0.800
X	0.950

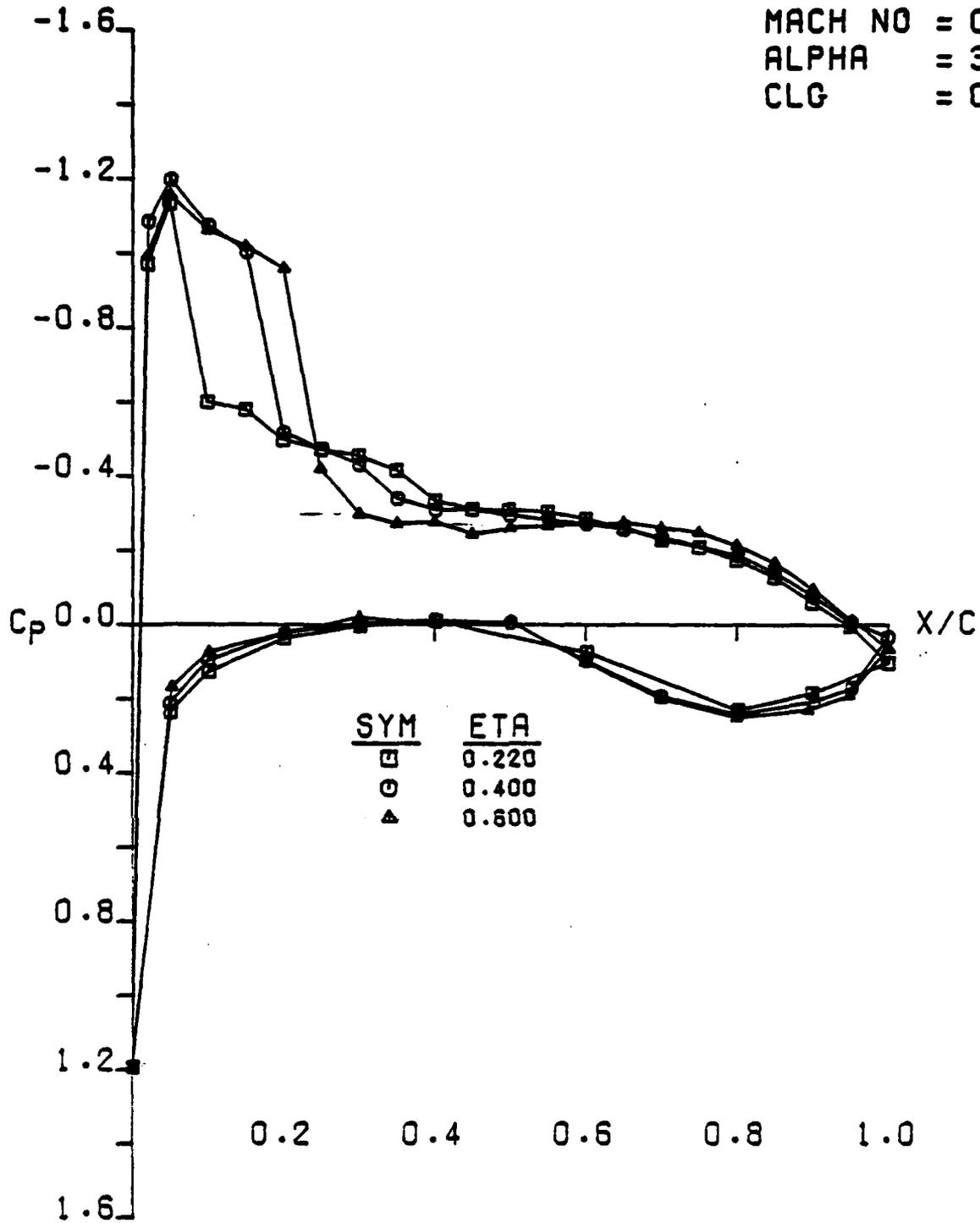


CONDITIONS

MACH NO = 0.849
 ALPHA = 3.955
 CL = 0.473
 CD = 0.033
 CM = -0.063
 CLG = 0.473

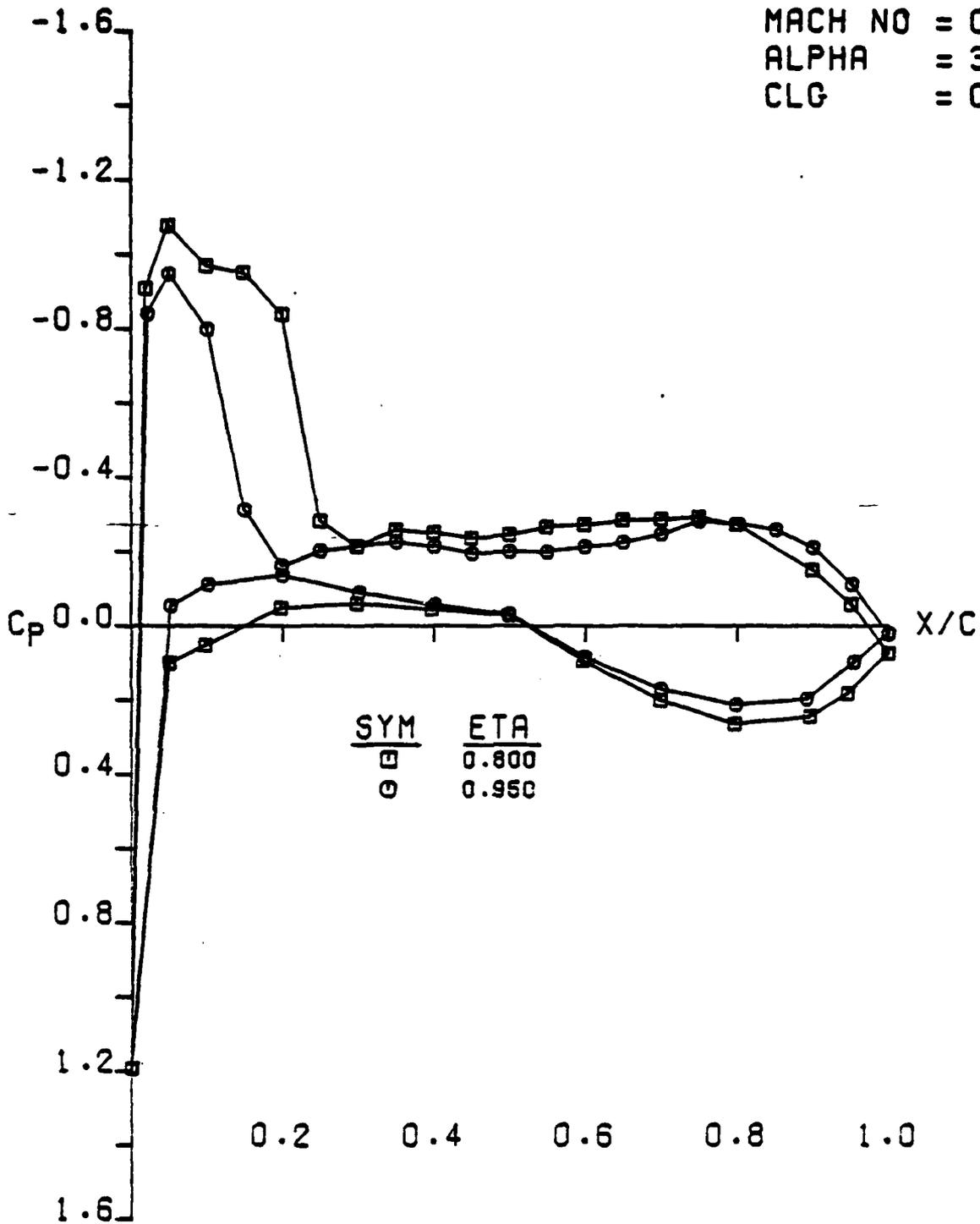
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473



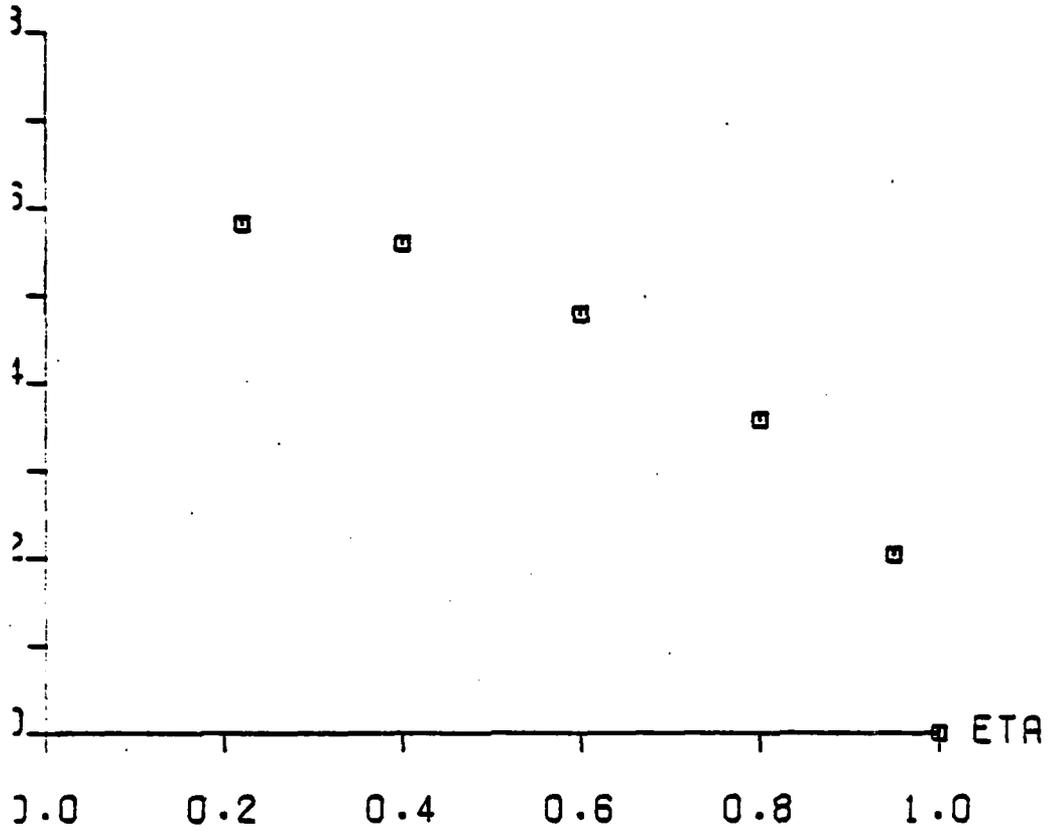
LOCKHEED CFWT SEMI-SPAN TEST. RUN 16
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473



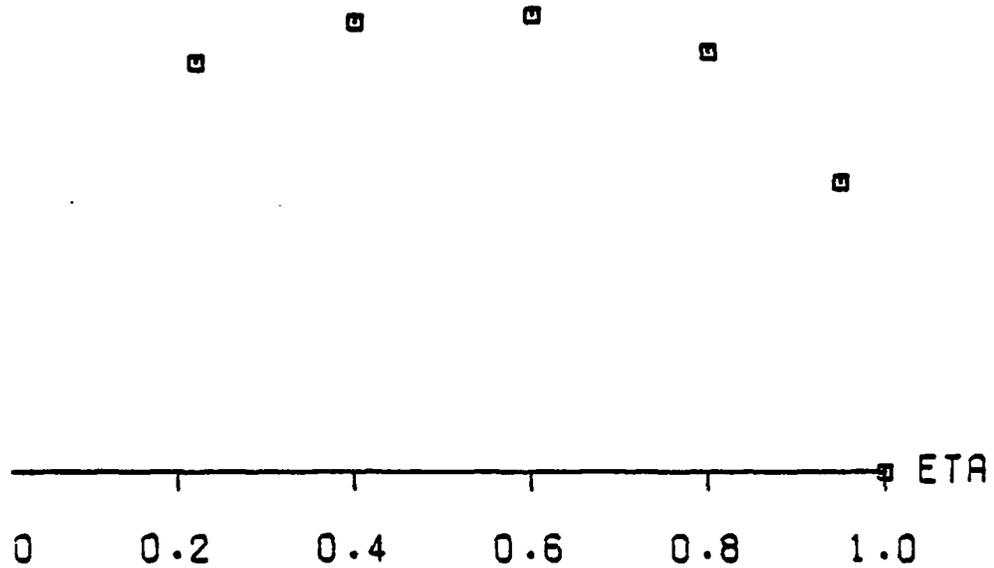
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473



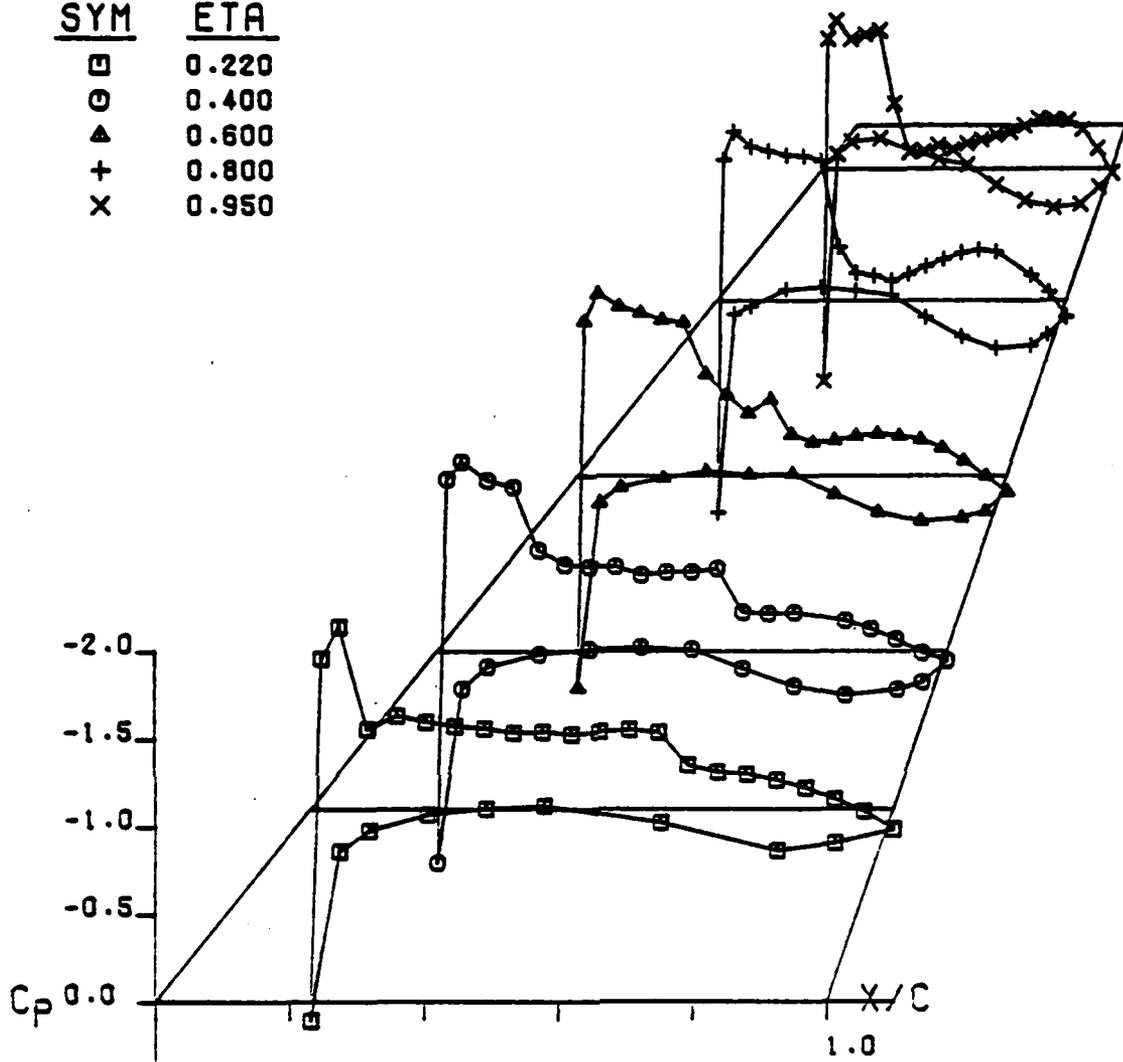
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473



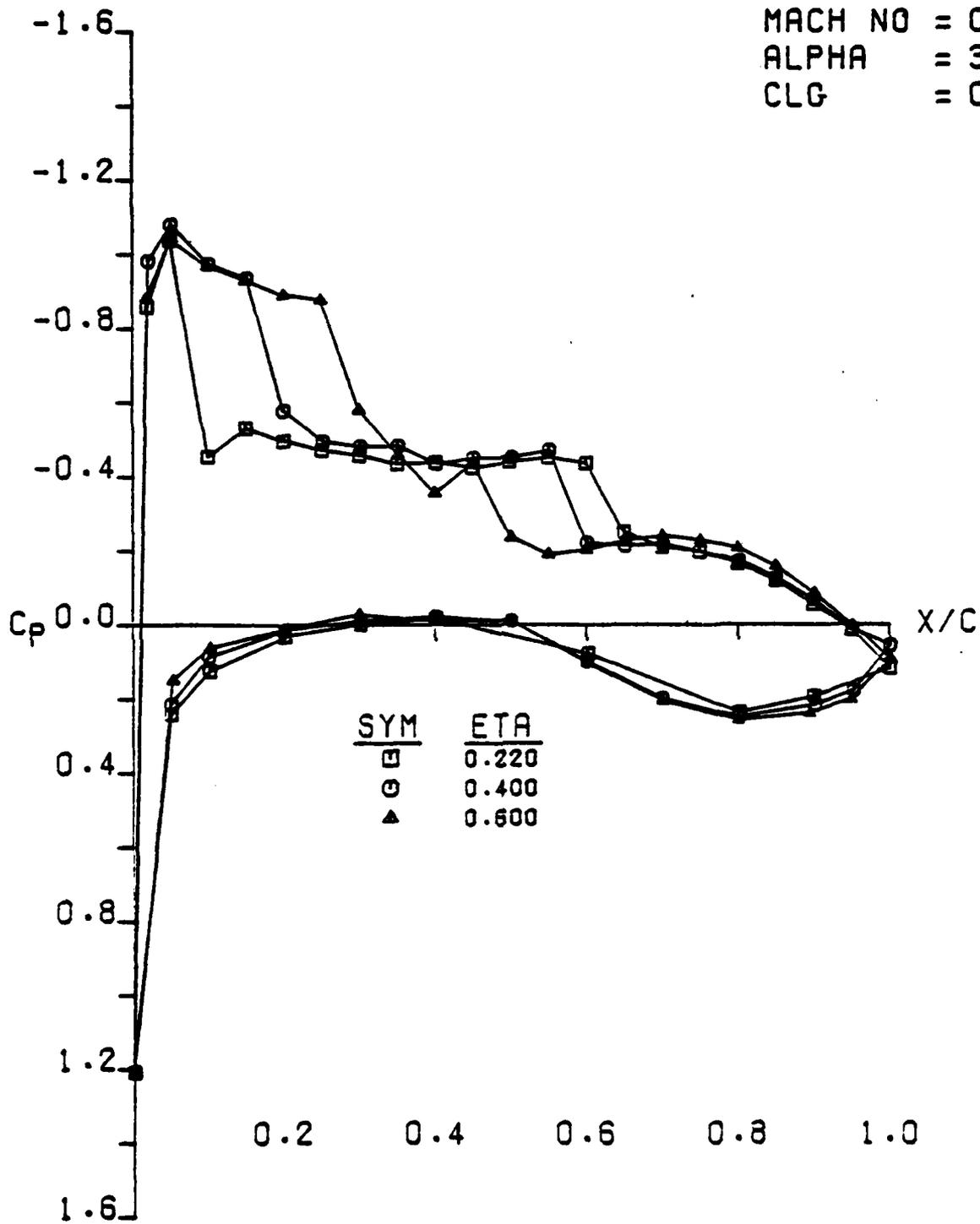
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
TITLE
AFOSR SEMISPAN MODEL B

<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
▲	0.600
+	0.800
X	0.950



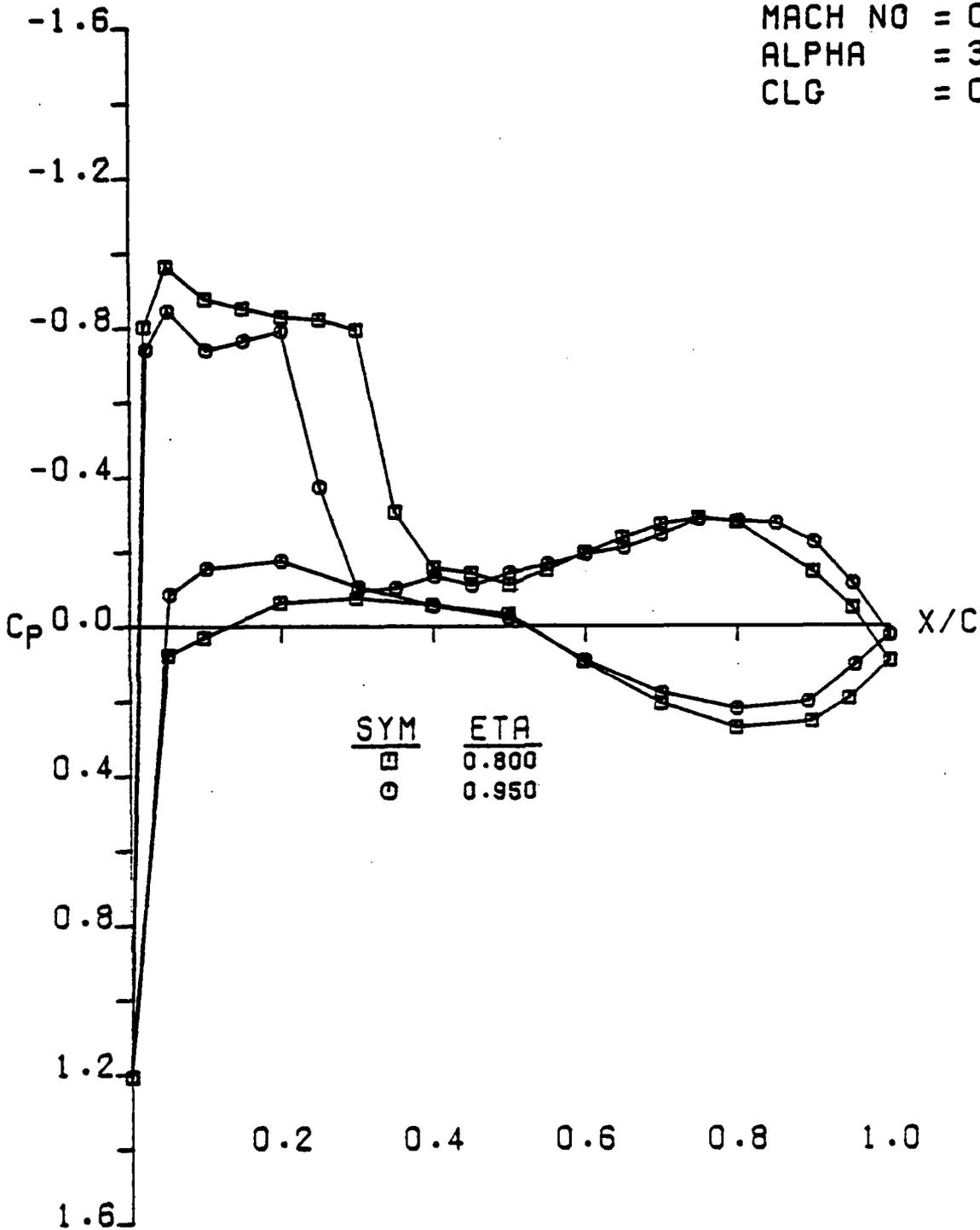
<u>CONDITIONS</u>	
MACH NO =	0.979
ALPHA =	3.959
CL =	0.496
CD =	0.037
CM =	-0.076
CLG =	0.496

LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 TITLE
 AFOSR SEMISPAN MODEL B



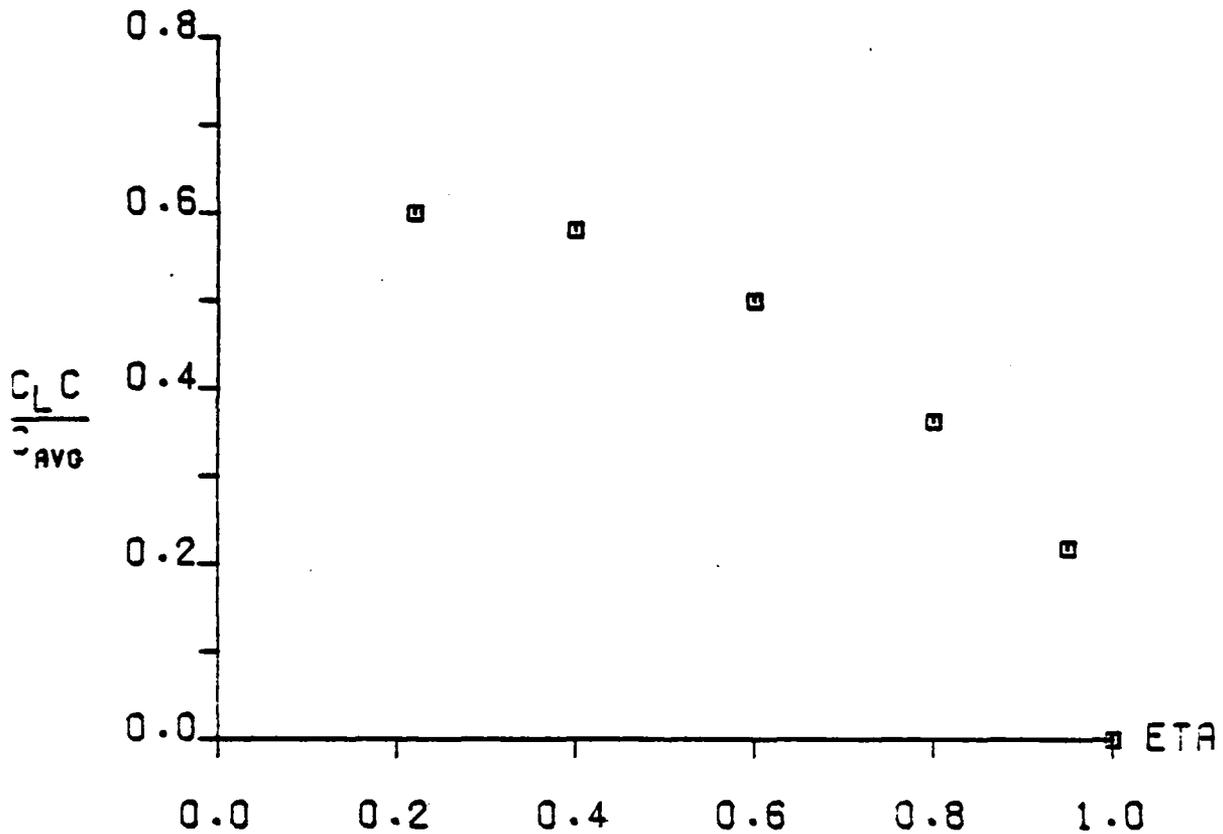
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496



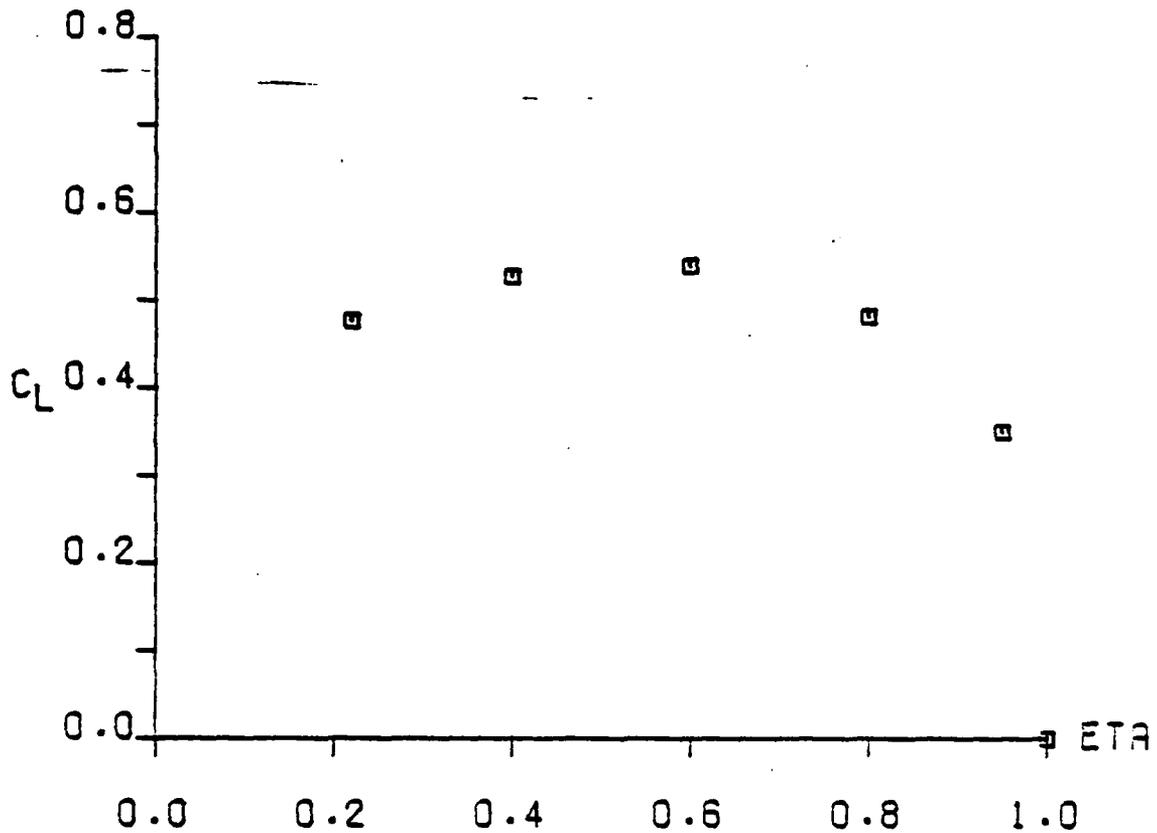
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.879
ALPHA = 3.959
CLG = 0.496



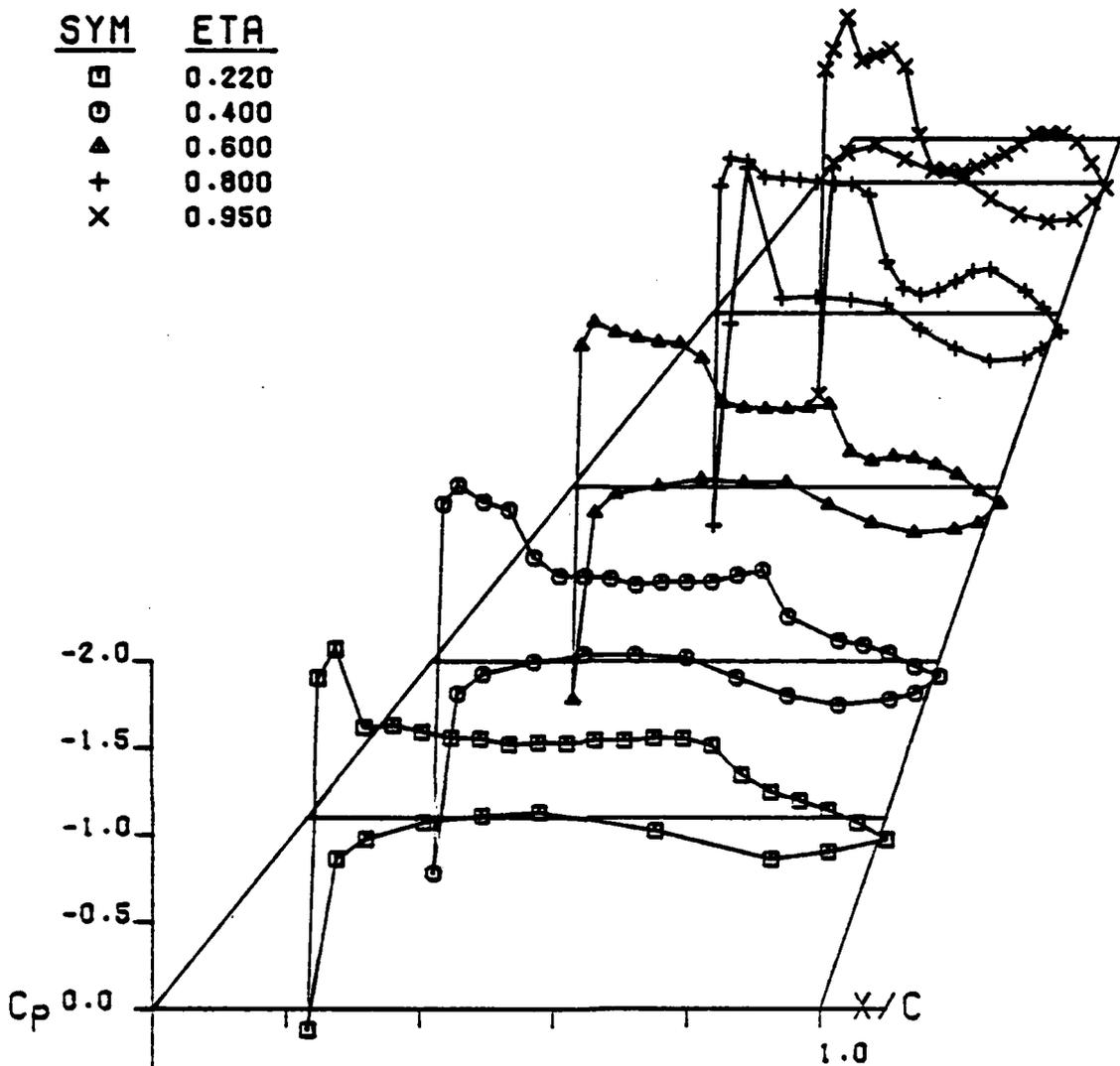
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.879
ALPHA = 3.959
CLG = 0.496



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
TITLE
AFOSR SEMISPAN MODEL B

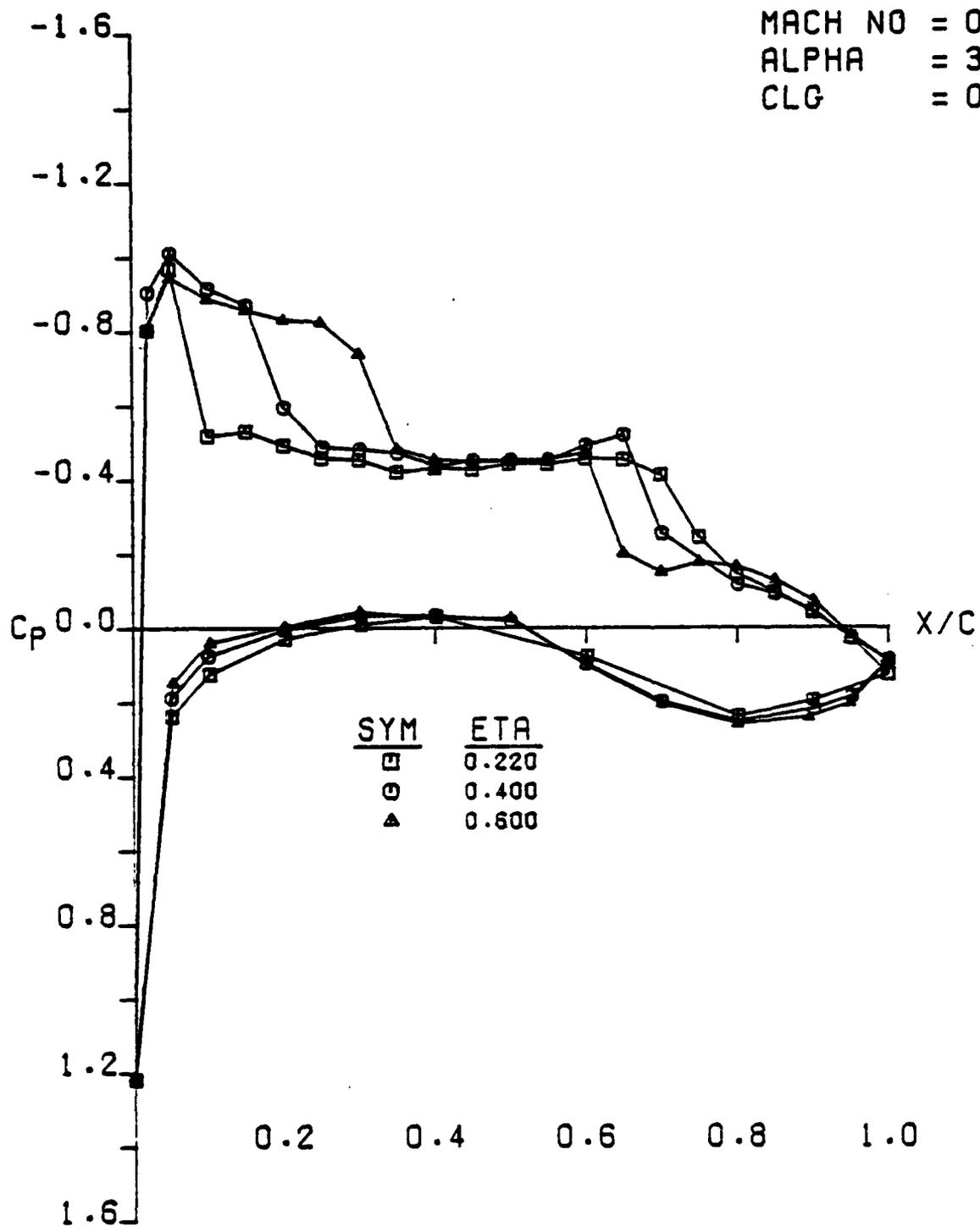
<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
▲	0.600
+	0.800
X	0.950



CONDITIONS

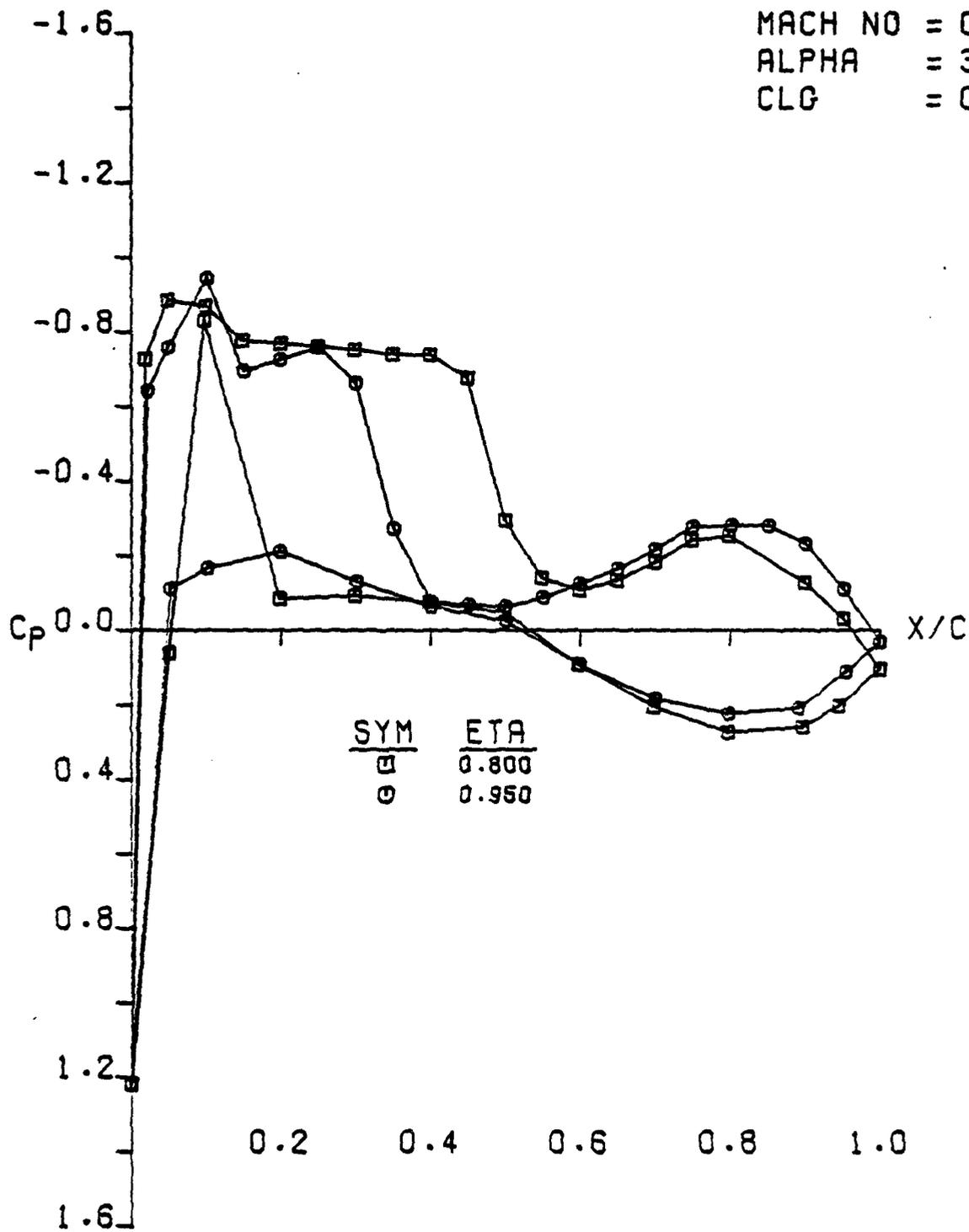
MACH NO =	0.900
ALPHA =	3.956
CL =	0.509
CO =	0.039
CM =	-0.085
CLG =	0.509

LOCKHEED CFWT SEMI-SPAN TEST, RUN 187
 TITLE
 AFOSR SEMISPAN MODEL B



MACH NO = 0.900
 ALPHA = 3.956
 CLG = 0.509

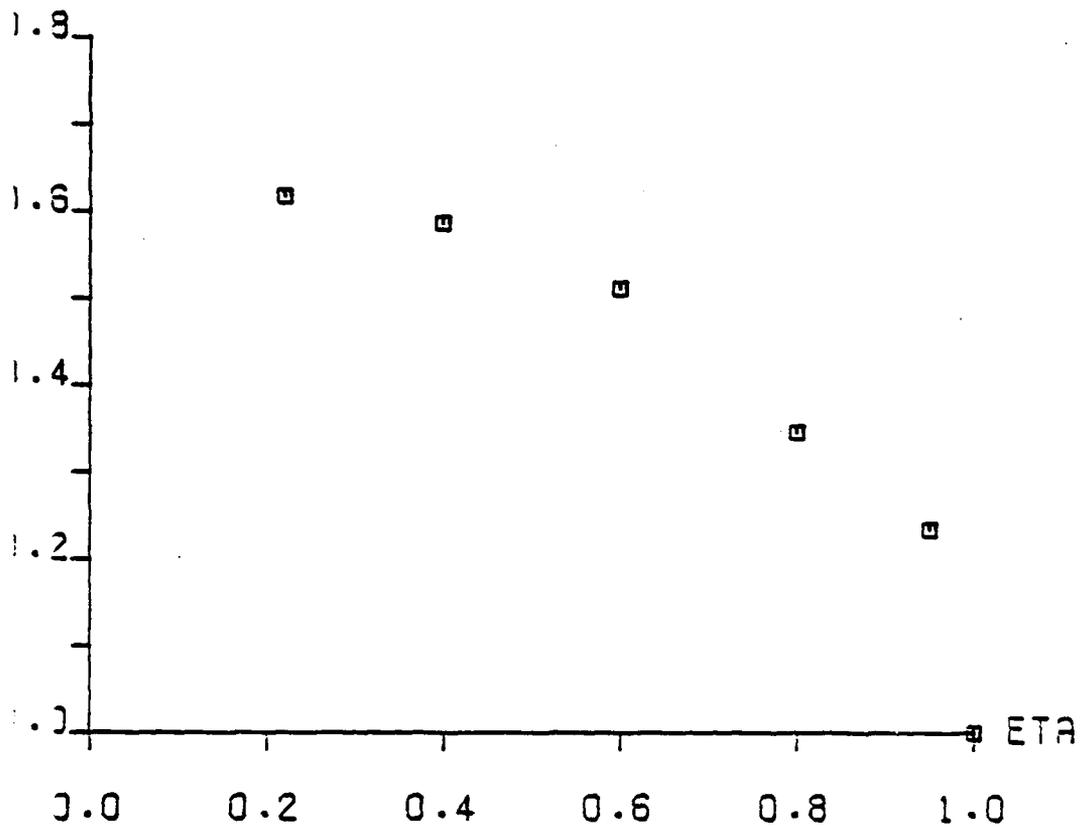
LOCKHEED CFWT SEMI-SPAN TEST, RUN 187
 TITLE
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 187
 TITLE

AFOSR SEMISPAN MODEL B

MACH NO = 0.900
ALPHA = 3.956
CLG = 0.509

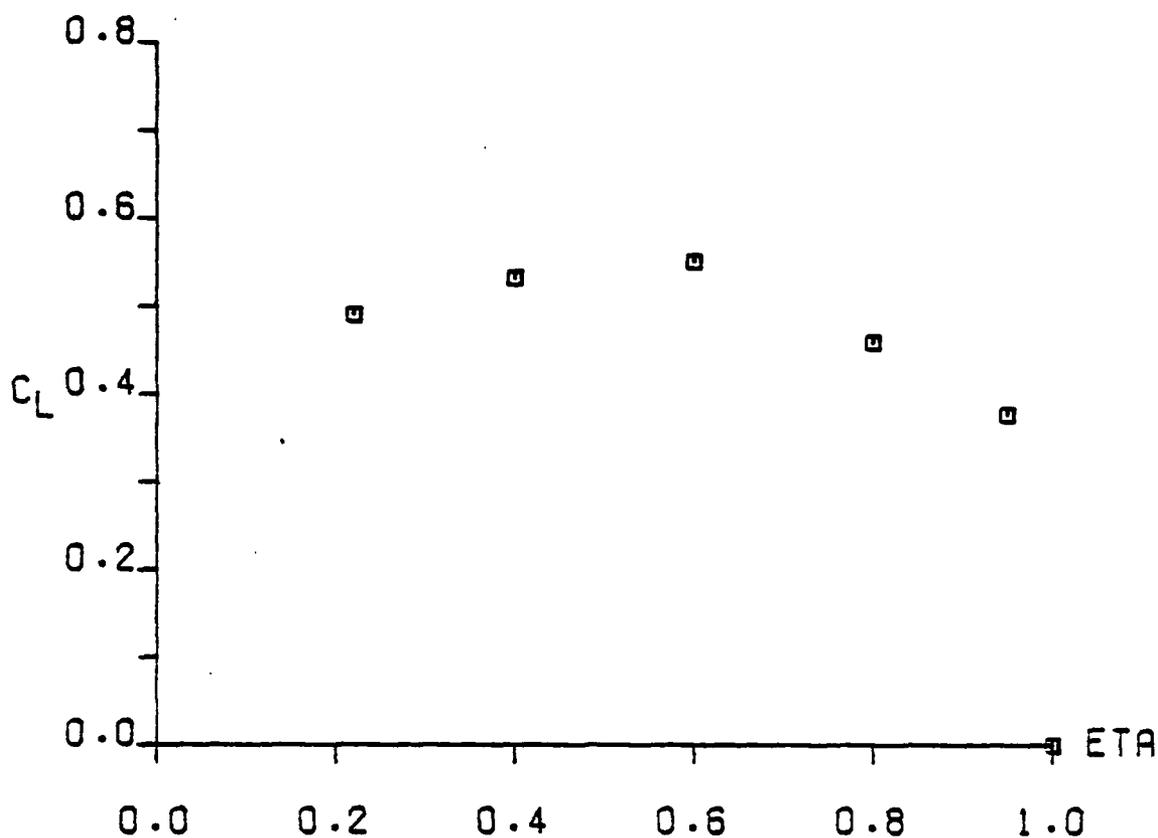


LOCKHEED CFWT SEMI-SPAN TEST, RUN 187

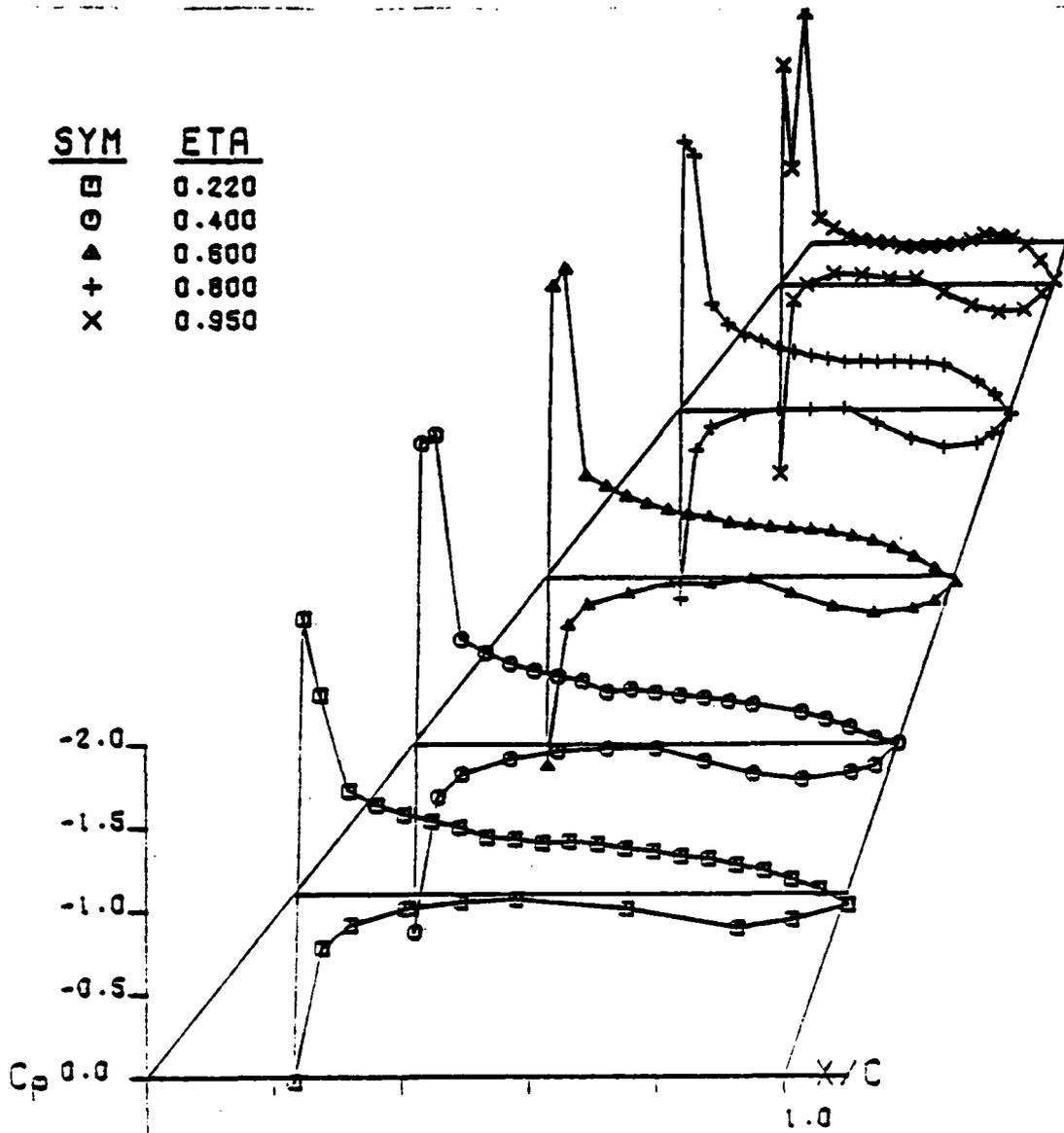
TITLE

AFOSR SEMISPAN MODEL B

MACH NO = 0.900
ALPHA = 3.956
CLG = 0.509



LOCKHEED CFWT SEMI-SPAN TEST, RUN 187
TITLE
AFOSR SEMISPAN MODEL B

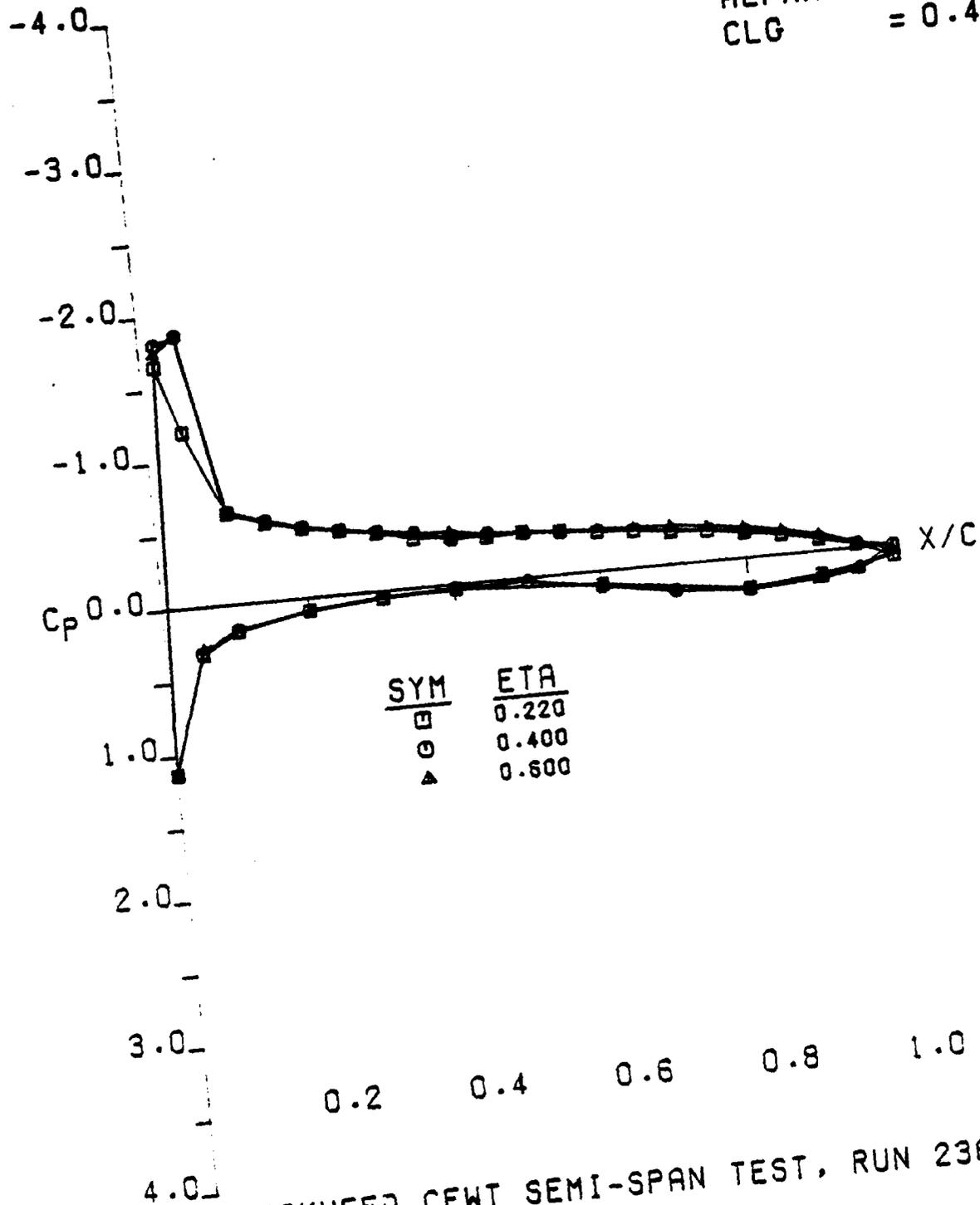


<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
▲	0.600
+	0.800
x	0.950

<u>CONDITIONS</u>	
MACH NO =	0.702
ALPHA =	4.362
CL =	0.497
CD =	0.034
CM =	-0.053
CLG =	0.497

LOCKHEED CPWT SEMI-SPAN TEST, RUN 236
 TITLE
 AFOSR SEMISPAN MODEL 3

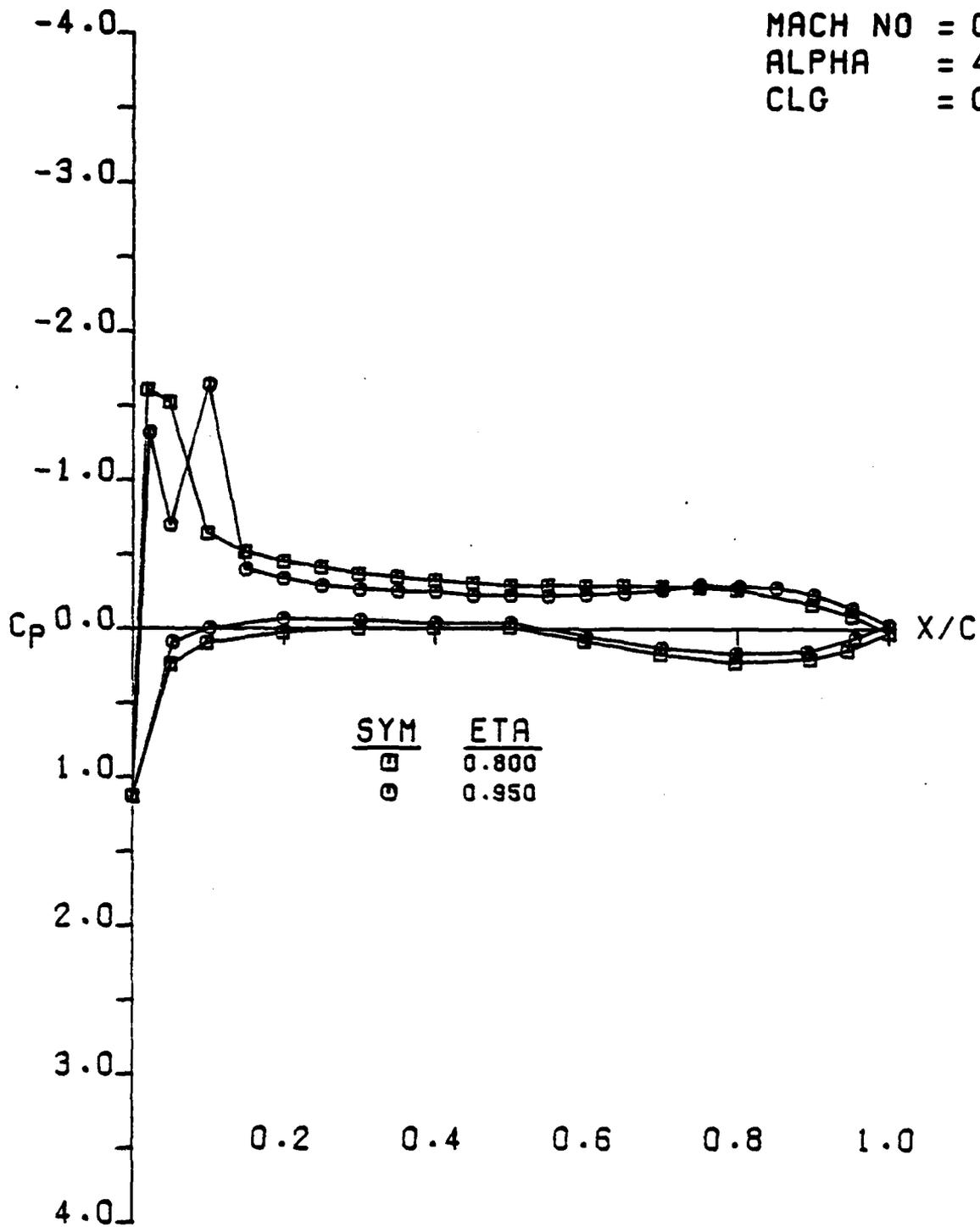
MACH NO = 0.702
 ALPHA = 4.962
 CLG = 0.497



<u>SYM</u>	<u>ETA</u>
□	0.220
○	0.400
△	0.600

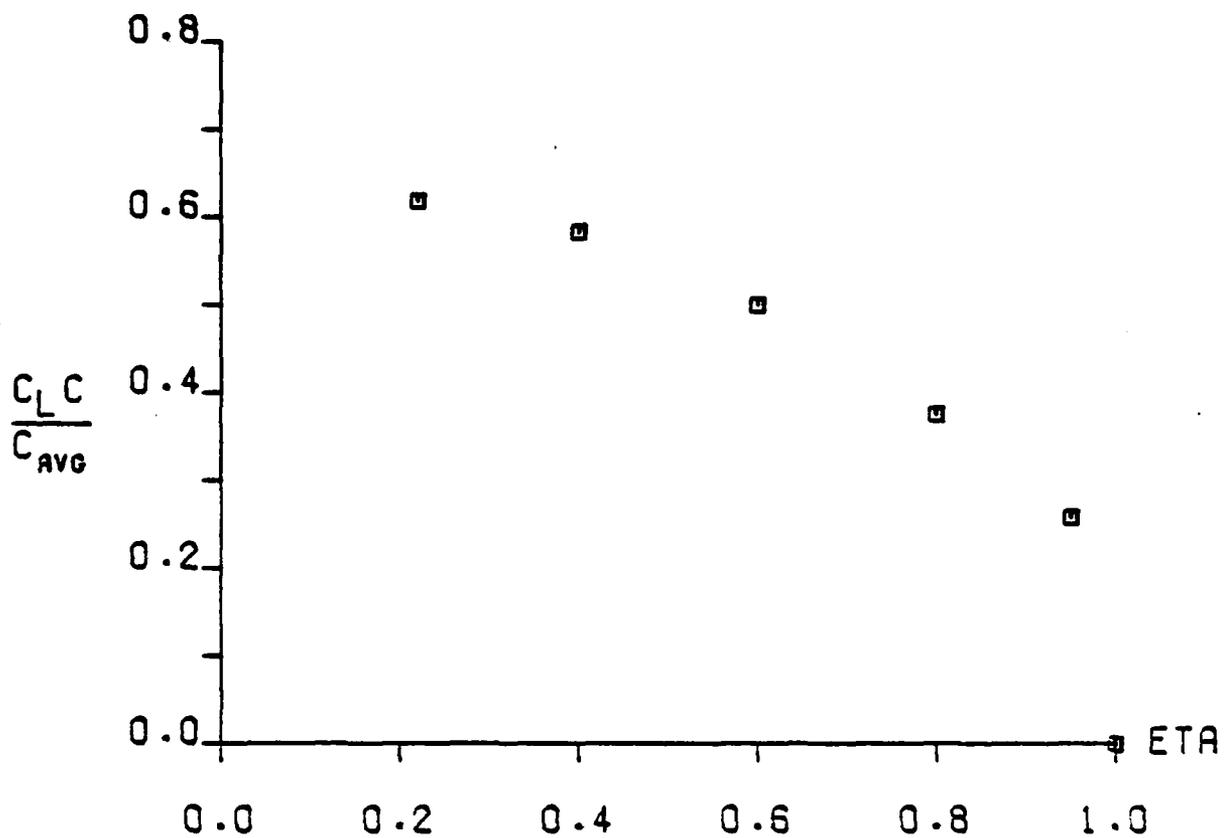
LOCKHEED CFWT SEMI-SPAN TEST, RUN 236
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.702
 ALPHA = 4.962
 CLG = 0.497



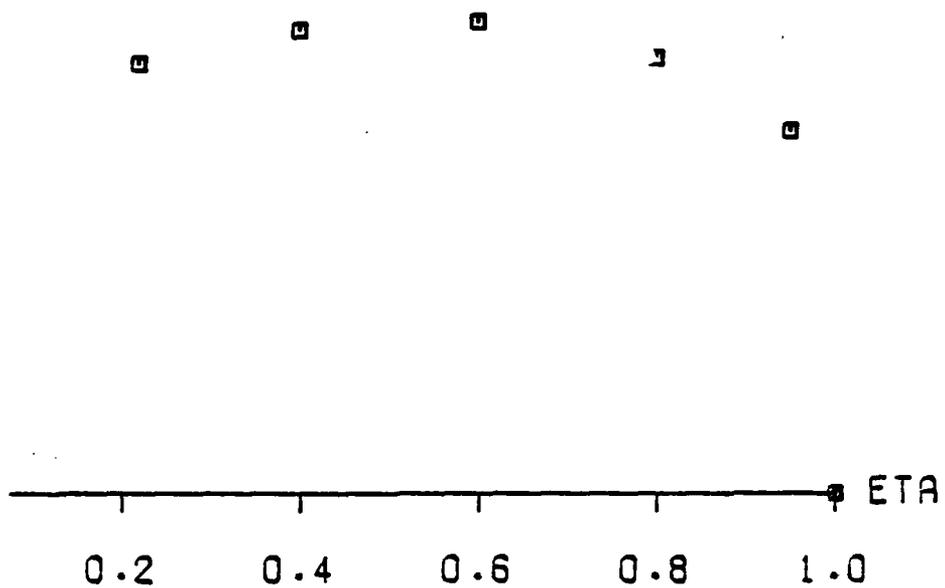
LOCKHEED CFWT SEMI-SPAN TEST, RUN 236
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.702
ALPHA = 4.962
CLG = 0.497

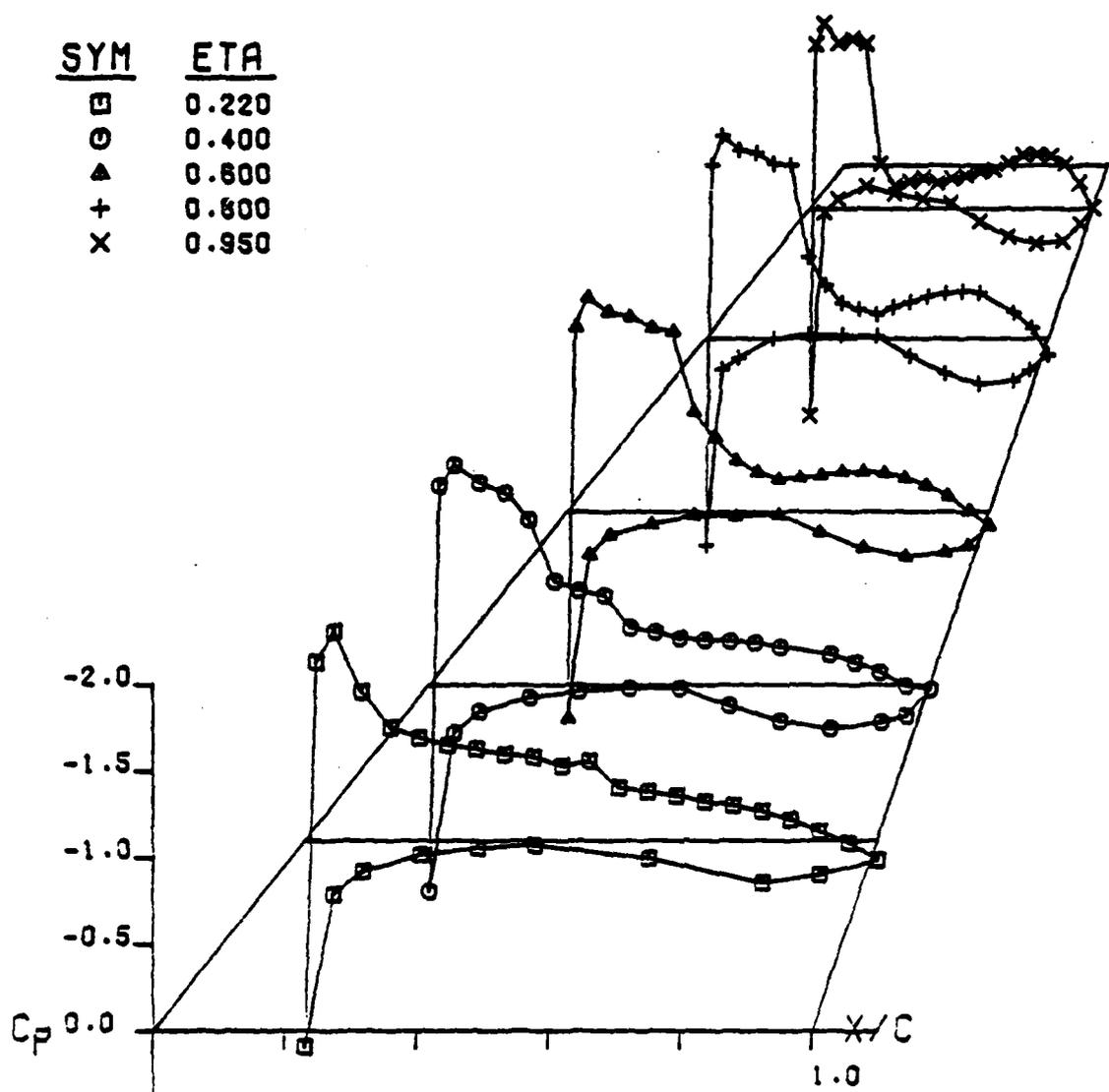


LOCKHEED CFWT SEMI-SPAN TEST, RUN 236
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.702
ALPHA = 4.962
CLG = 0.497



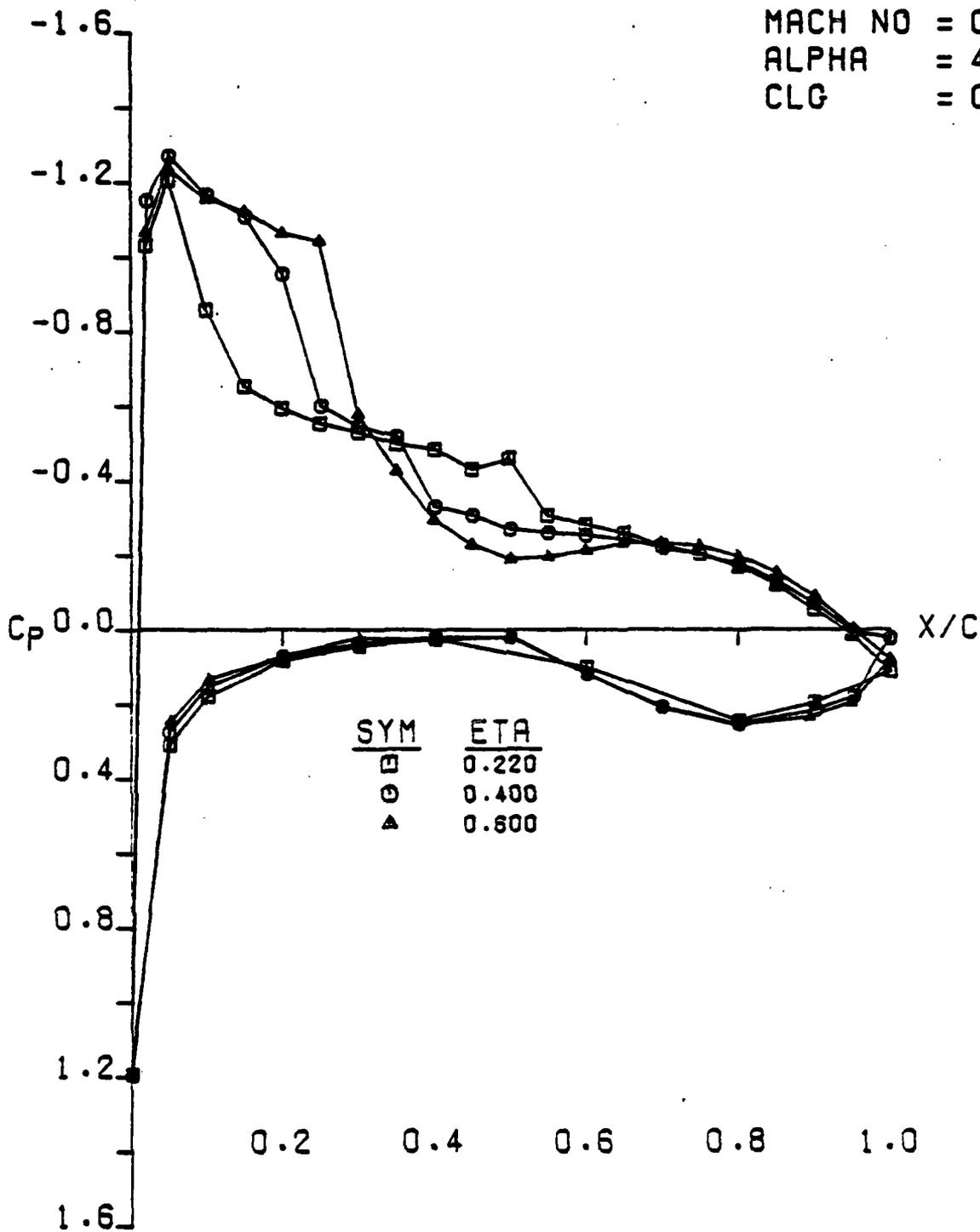
CKHEED CFWT SEMI-SPAN TEST, RUN 236
TITLE
AFOSR SEMISPAN MODEL 8



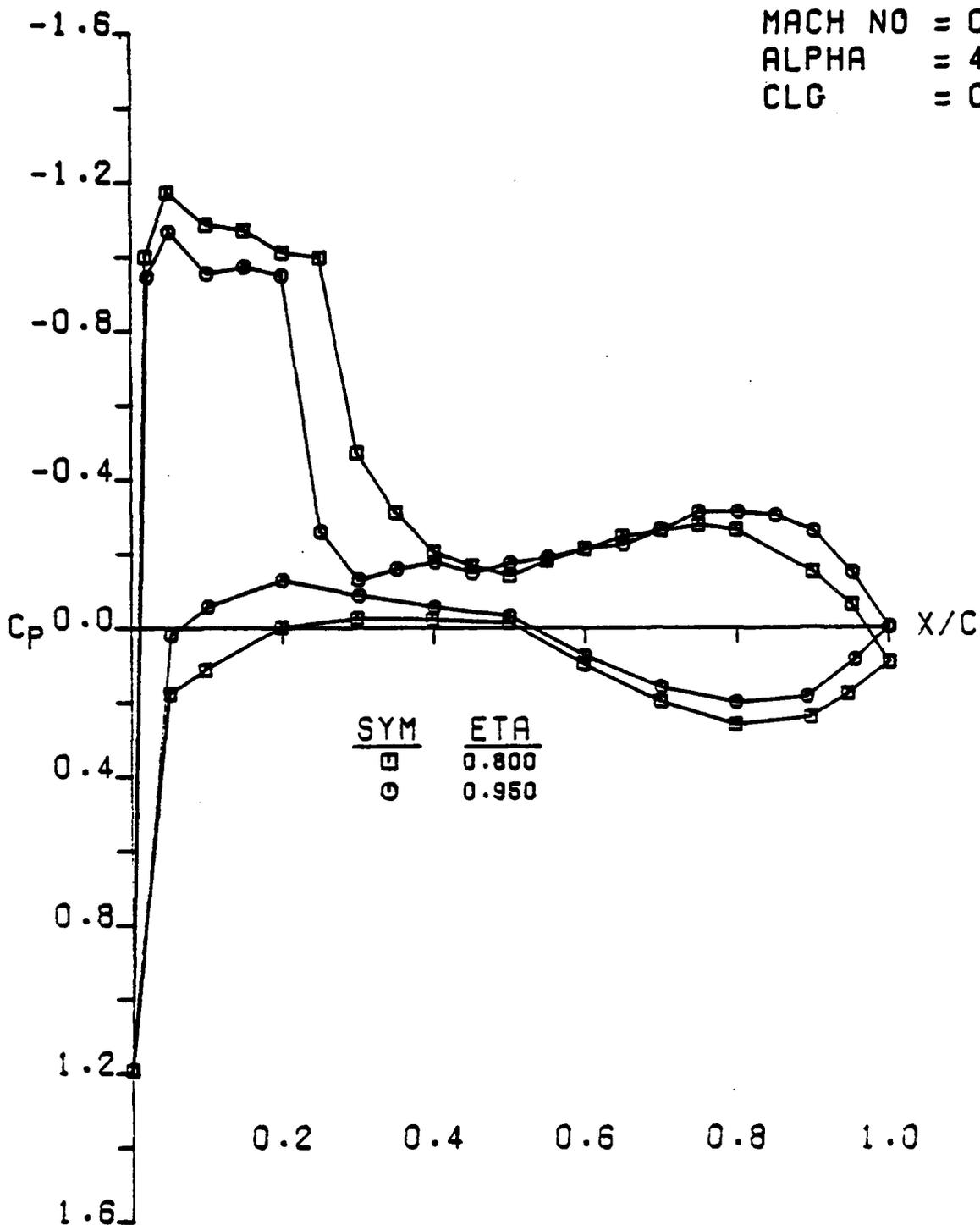
CONDITIONS
MACH NO = 0.849
ALPHA = 4.959
CL = 0.561
CD = 0.044
CM = -0.065
CLG = 0.561

LOCKHEED CFWT SEMI-SPAN TEST, RUN 17
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 4.959
CLG = 0.561

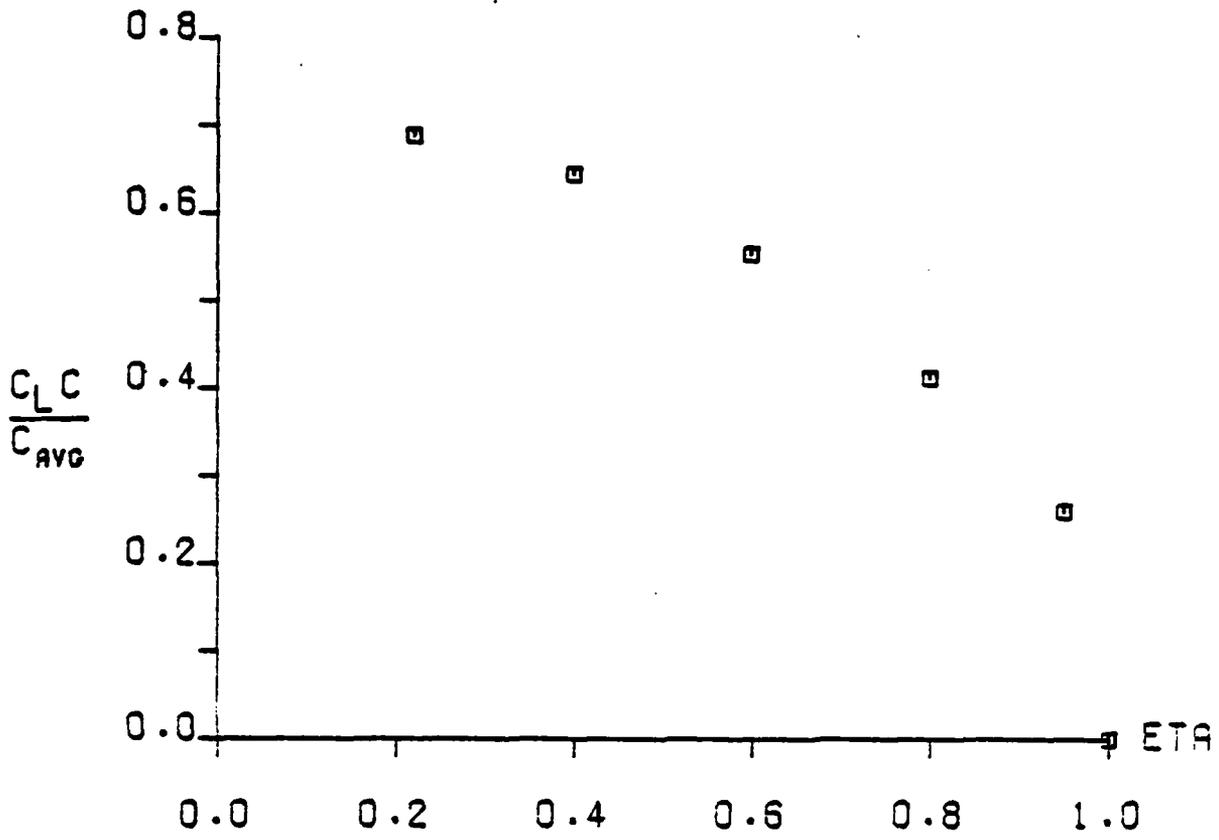


LOCKHEED CFWT SEMI-SPAN TEST, RUN 17
TITLE
AFOSR SEMISPAN MODEL B



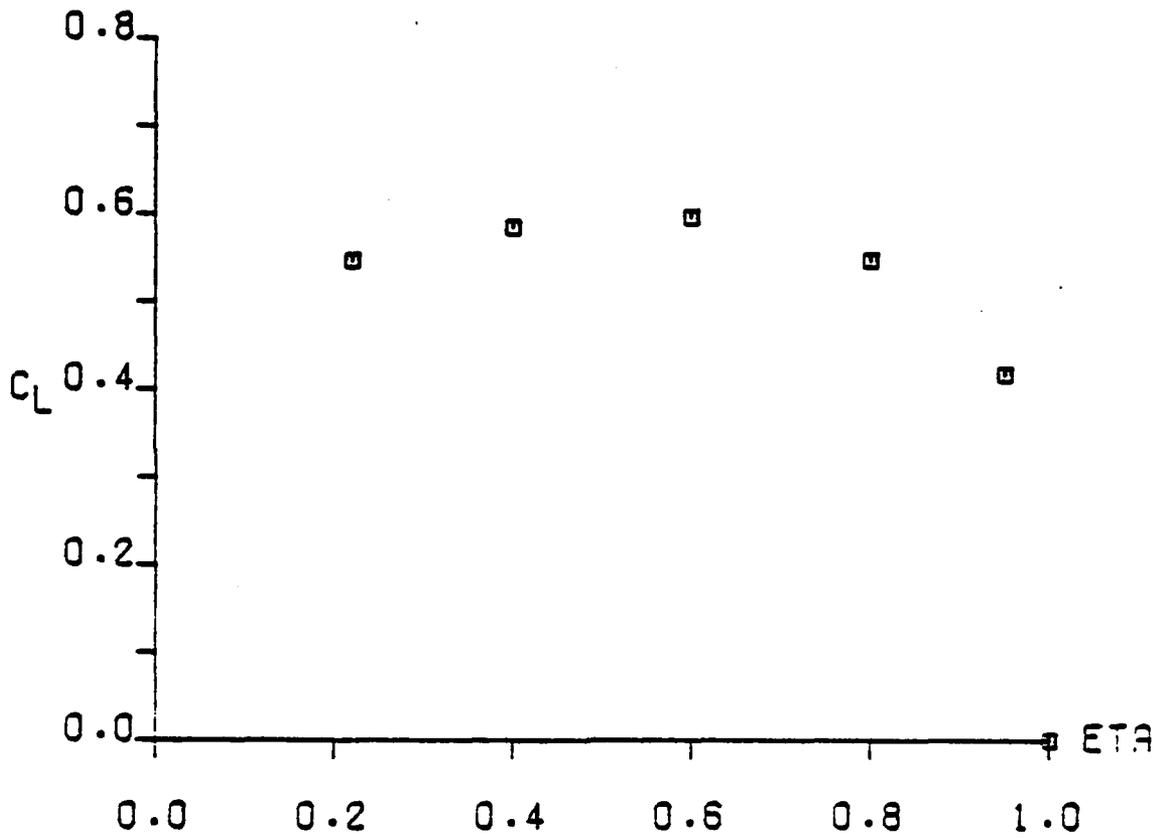
LOCKHEED CFWT SEMI-SPAN TEST, RUN 17
 TITLE
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 4.959
CLG = 0.561



LOCKHEED CFWT SEMI-SPAN TEST, RUN 17
TITLE
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 4.959
CLG = 0.561

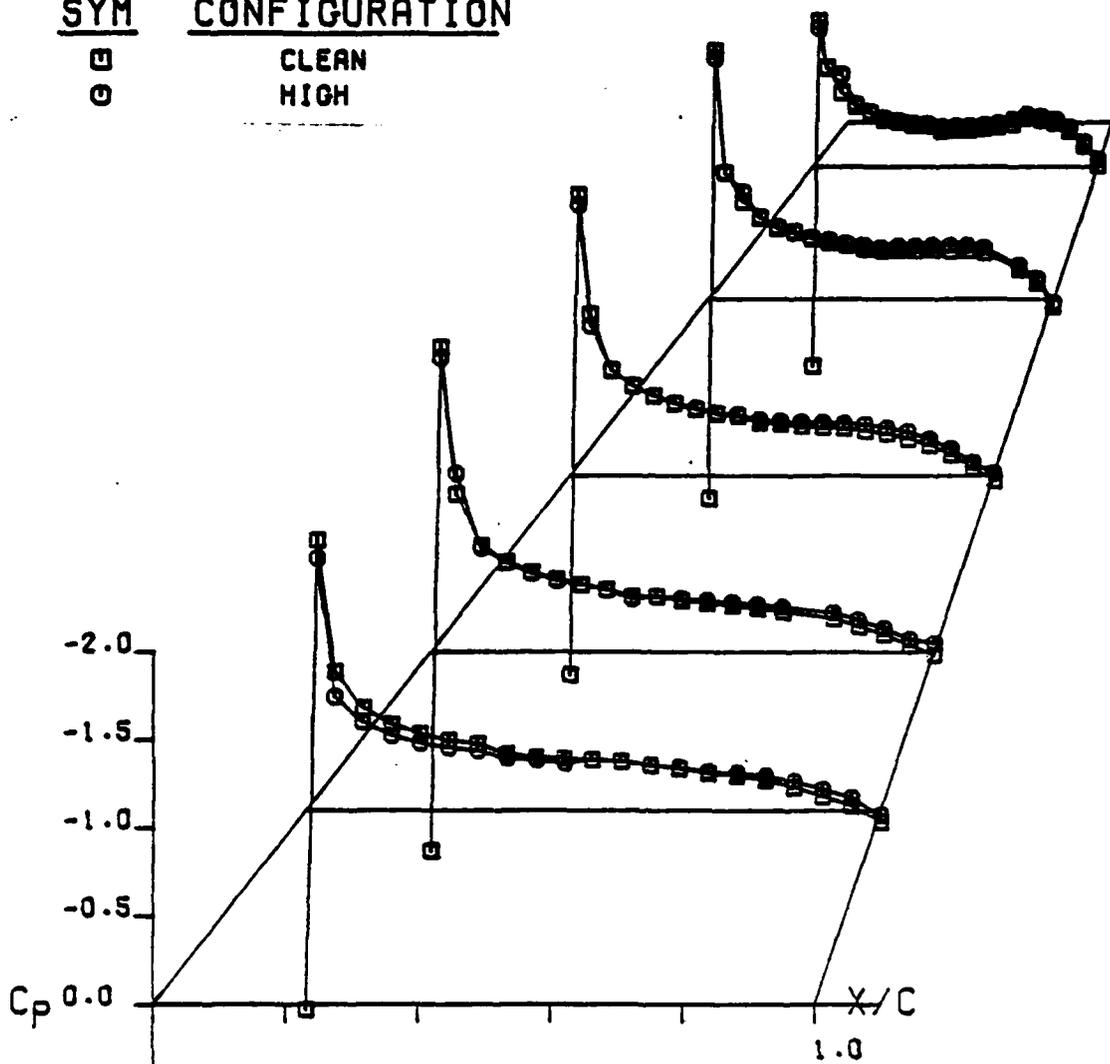


LOCKHEED CFWT SEMI-SPAN TEST, RUN 17
TITLE
AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

CLEAN
HIGH

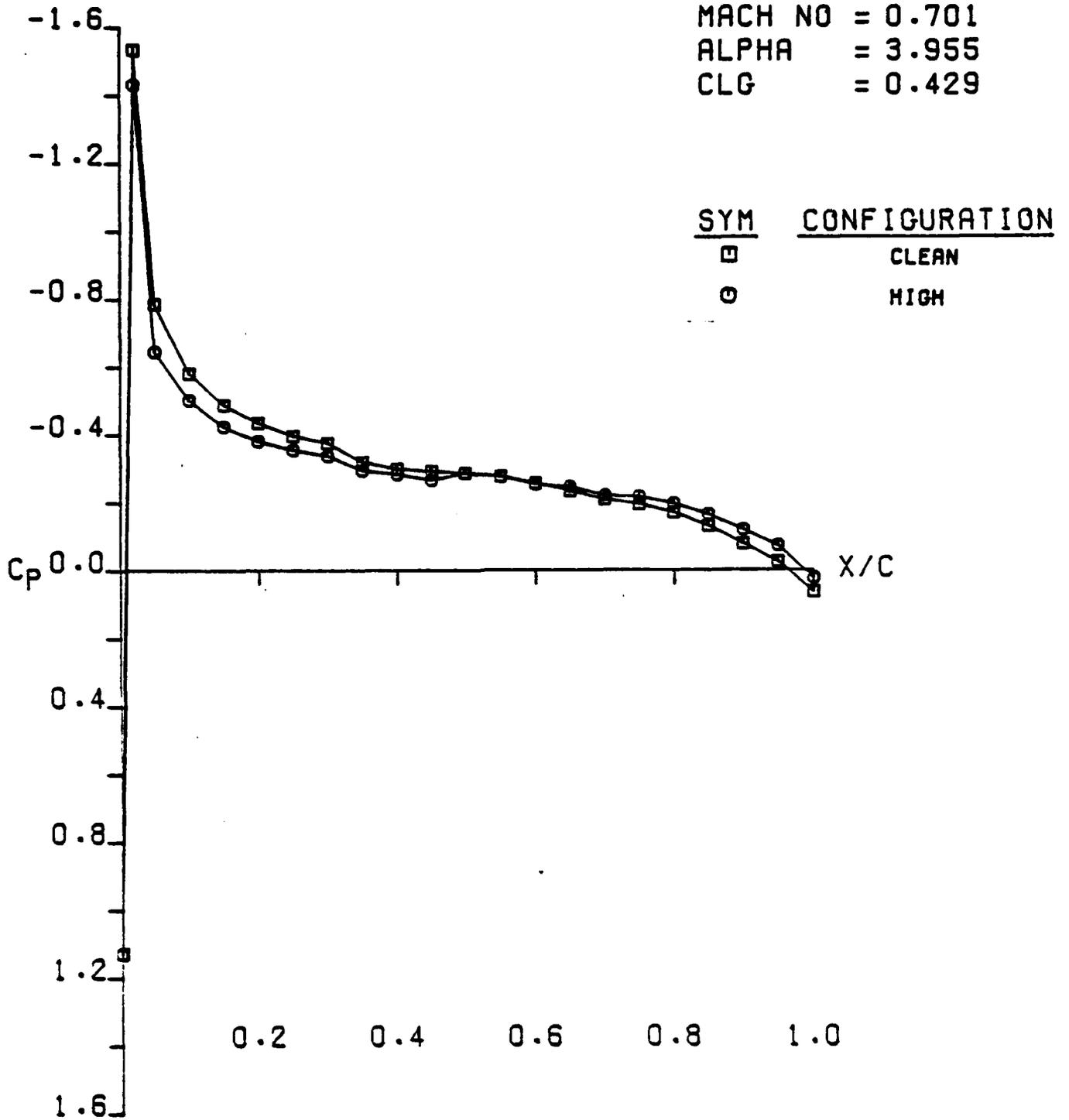


CONDITIONS

MACH NO = 0.701
 ALPHA = 3.955
 CL = 0.429
 CD = 0.027
 CM = -0.054
 CLG = 0.429

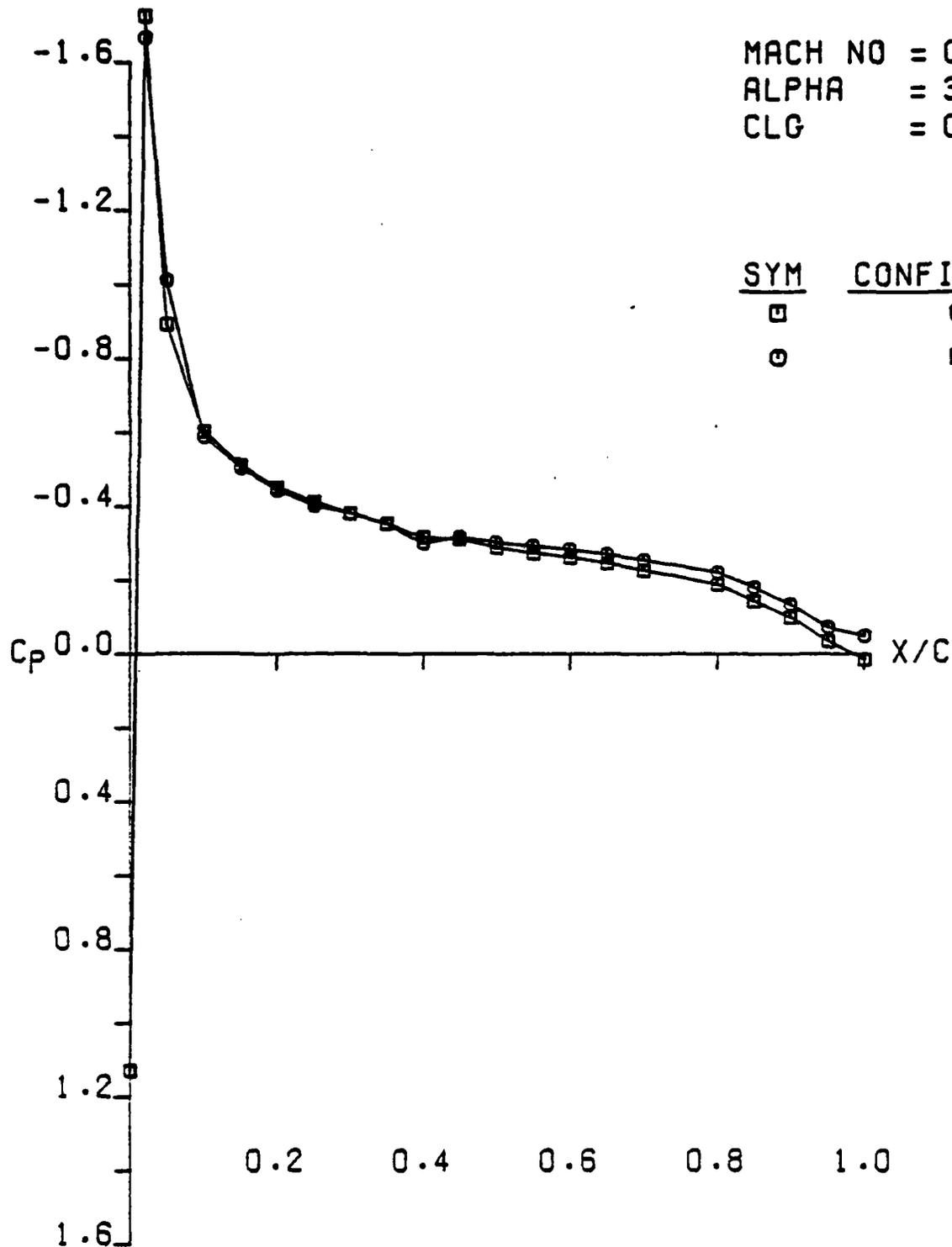
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429



<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS HIGH (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

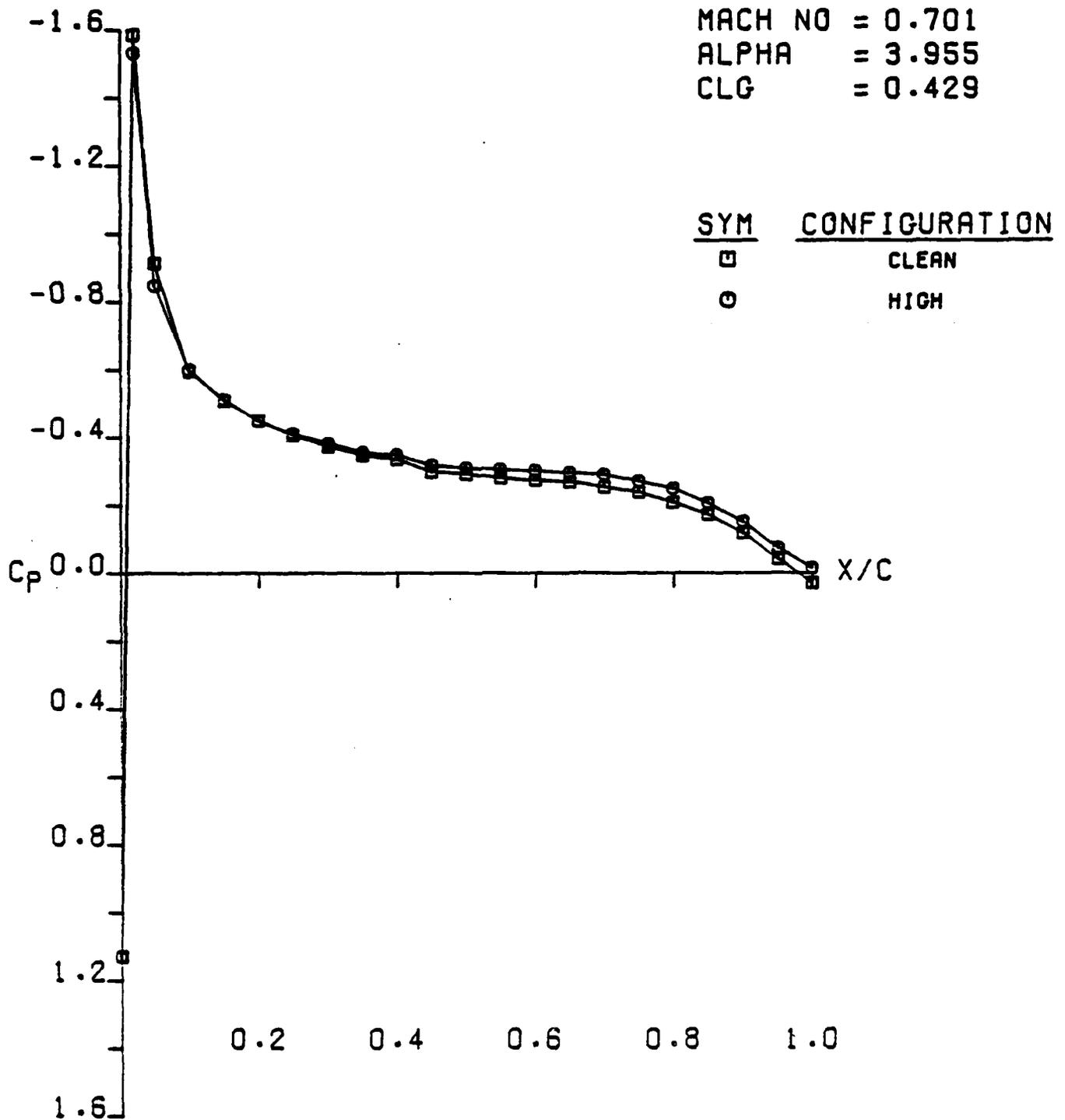


MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

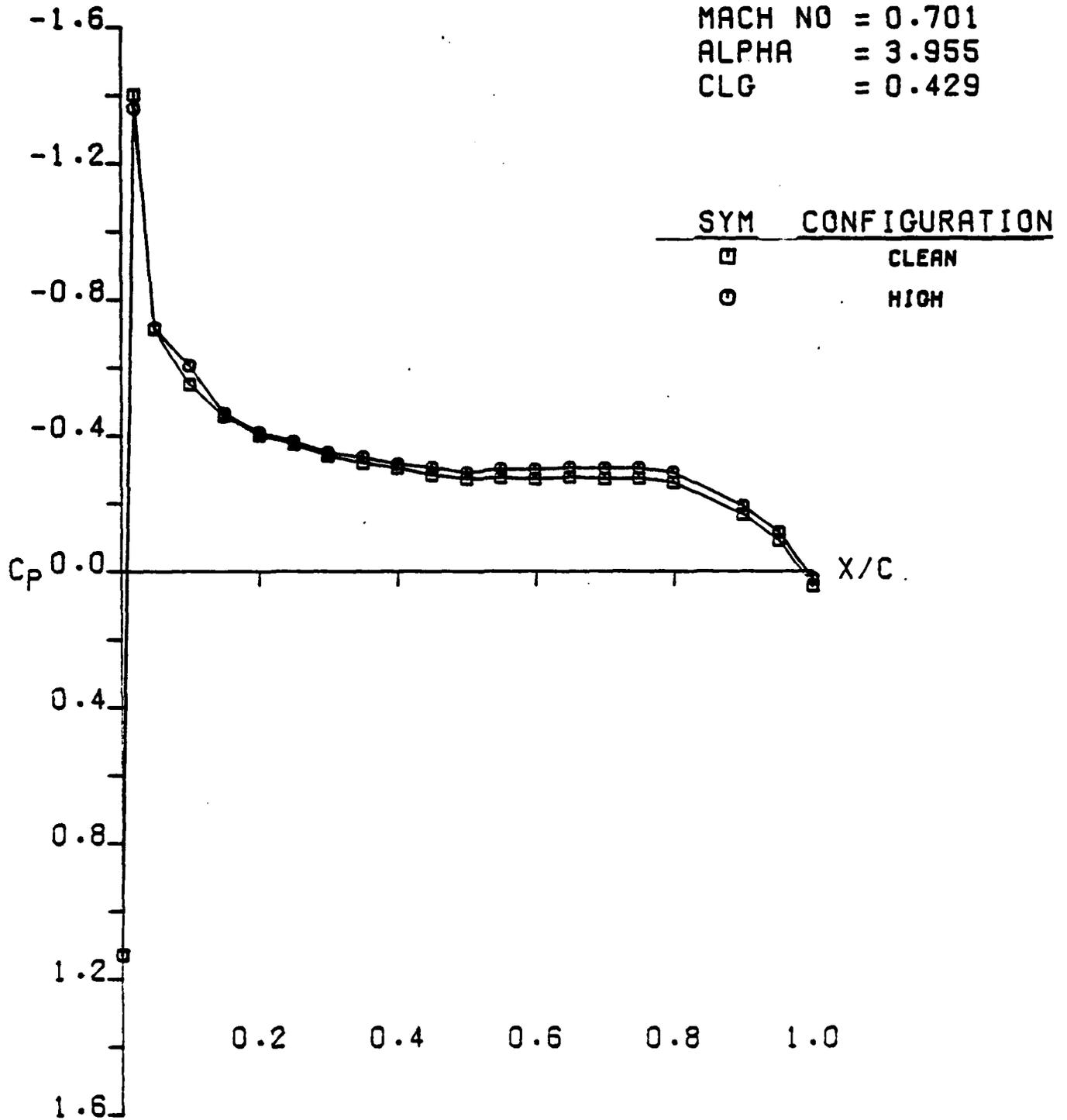
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS HIGH (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS HIGH (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B

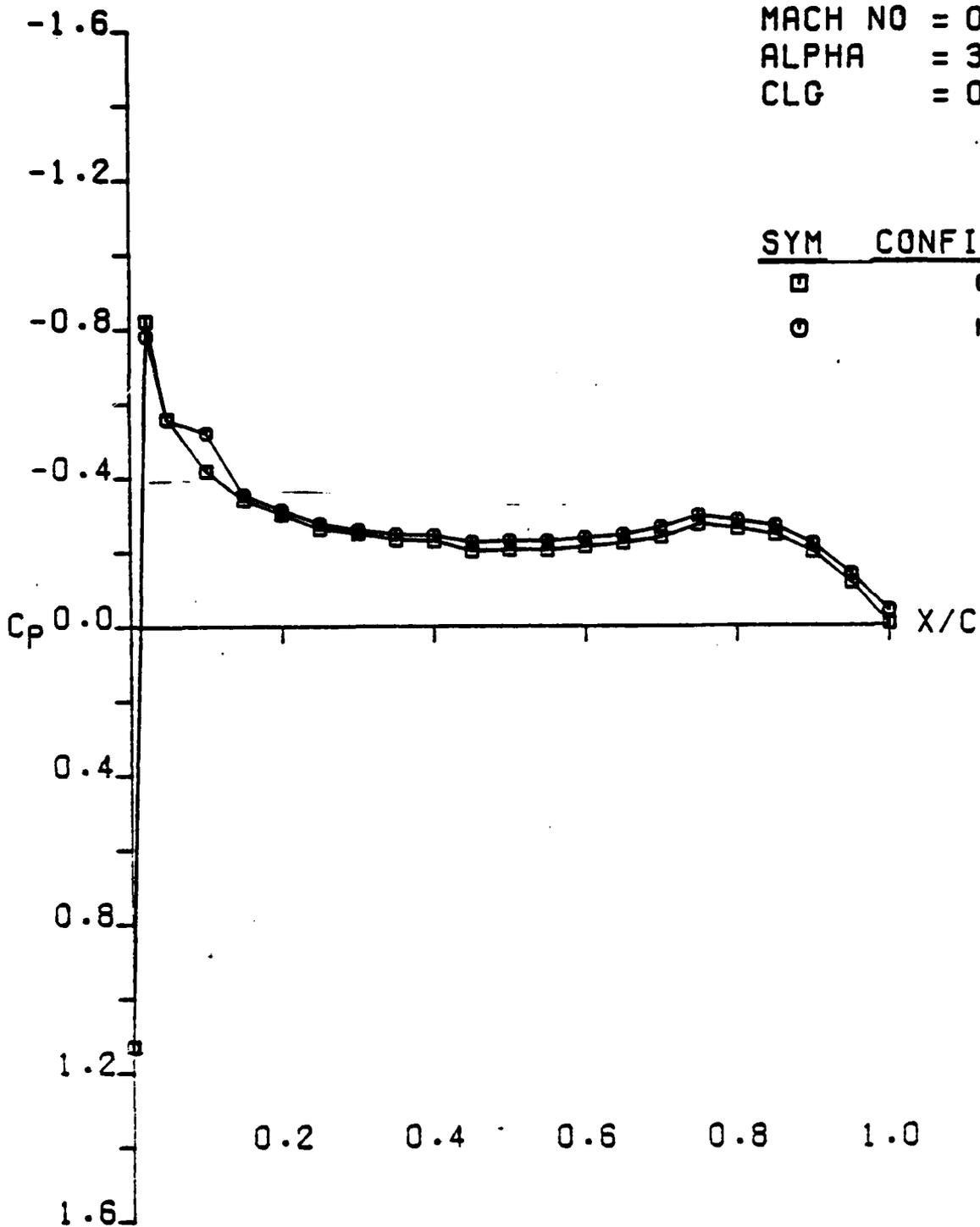
MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS HIGH (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

SYM	CONFIGURATION
□	CLEAN
○	HIGH

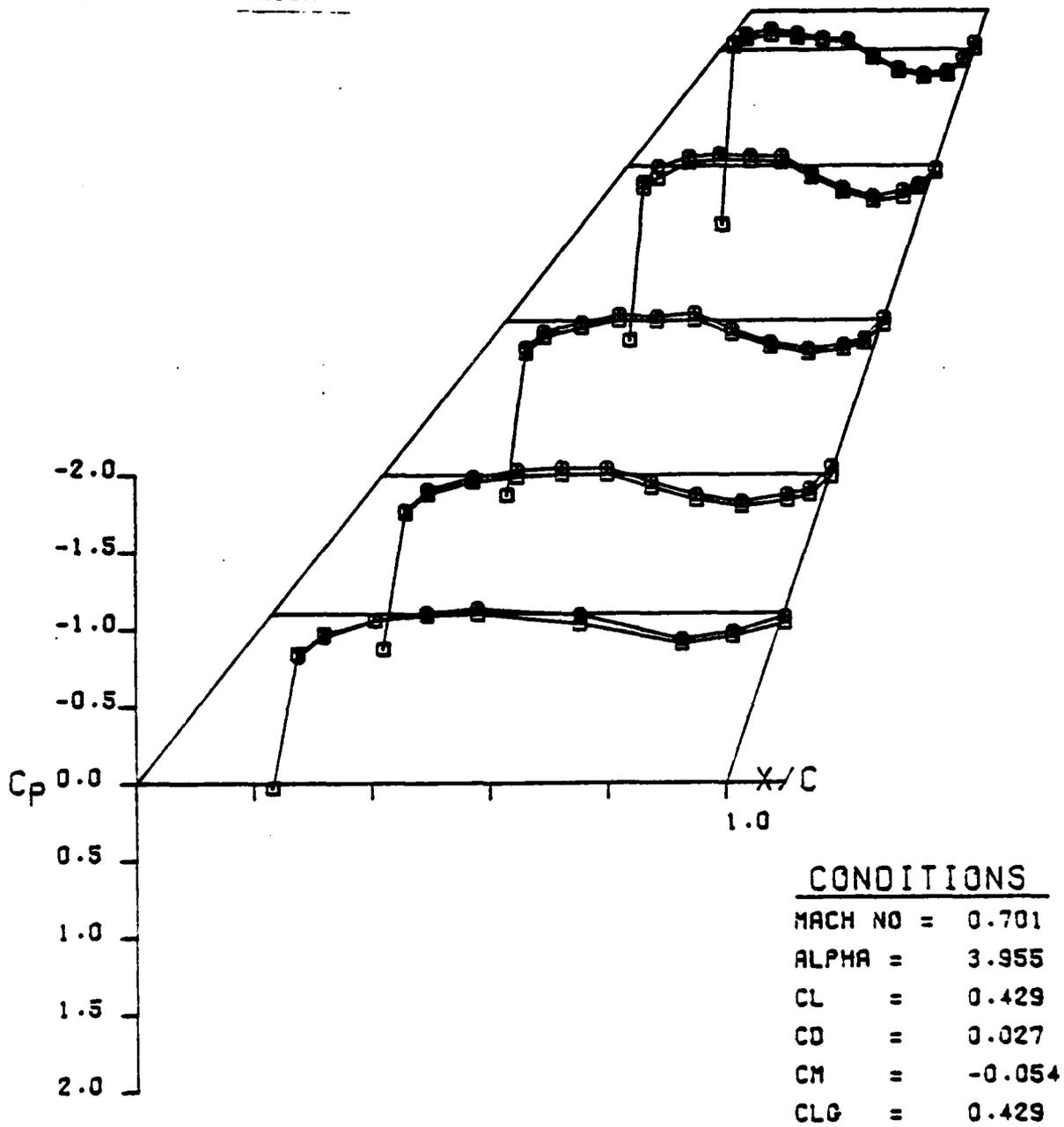


LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS HIGH (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

CLEAN
HIGH



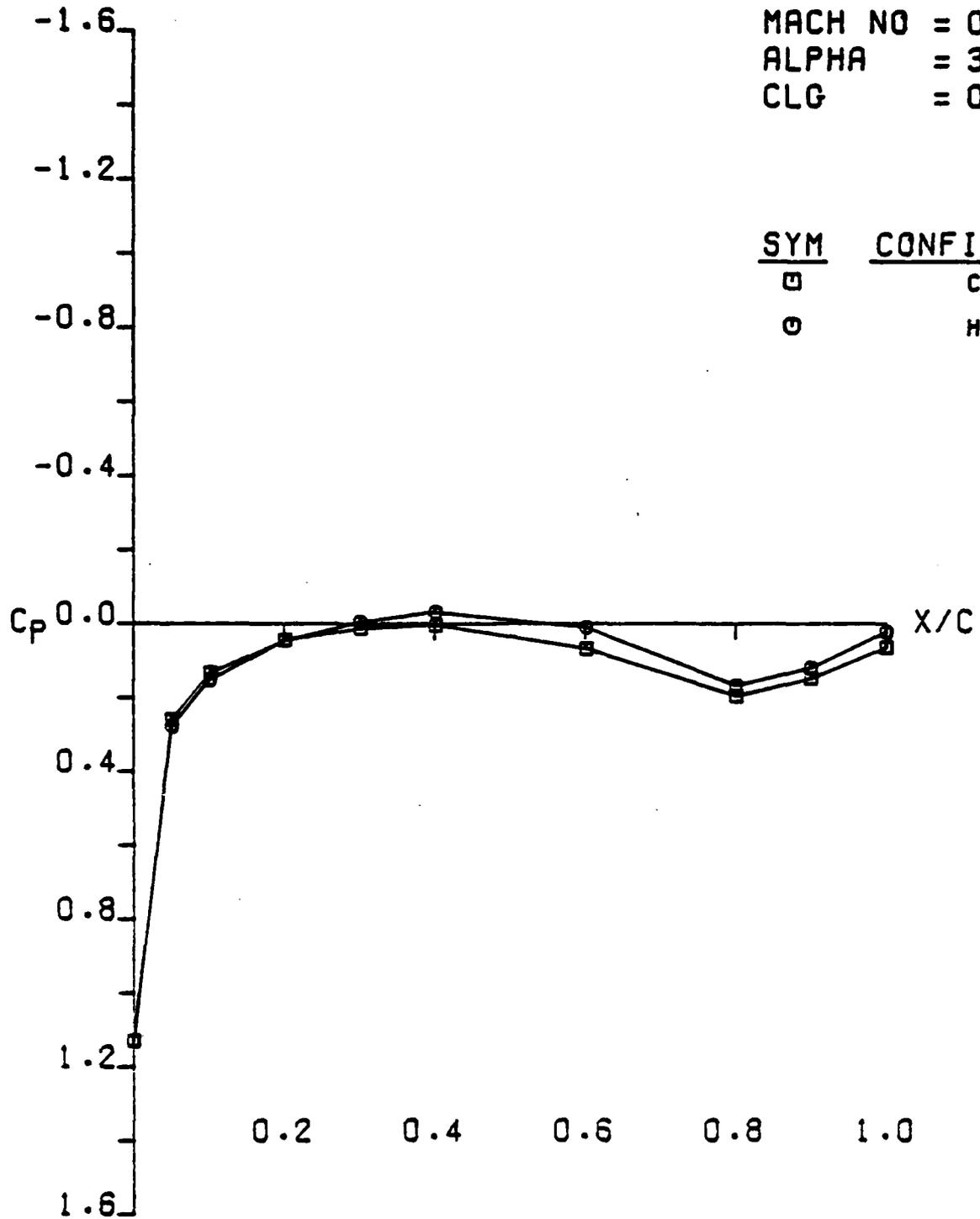
CONDITIONS

MACH NO = 0.701
 ALPHA = 3.955
 CL = 0.429
 CD = 0.027
 CM = -0.054
 CLG = 0.429

LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS HIGH (LWR SURF)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

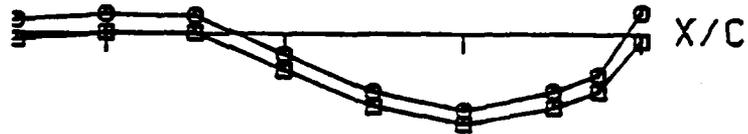
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS *HIGH* (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
ALPHA = 3.955
CLG = 0.429

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

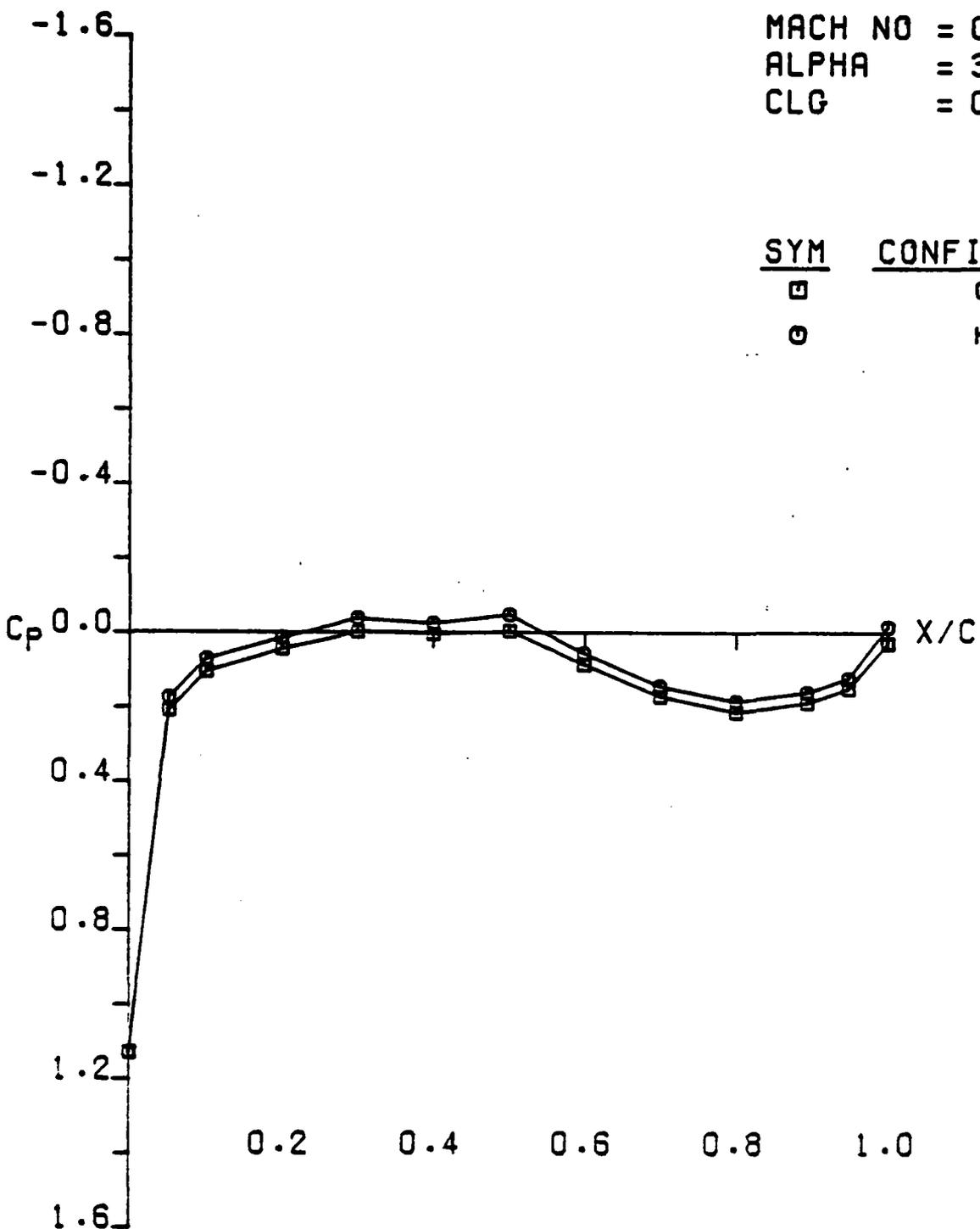


0.4 0.6 0.8 1.0

CFWT SEMI-SPAN TEST, RUN 5
(LWR SURF ETA.4)
SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

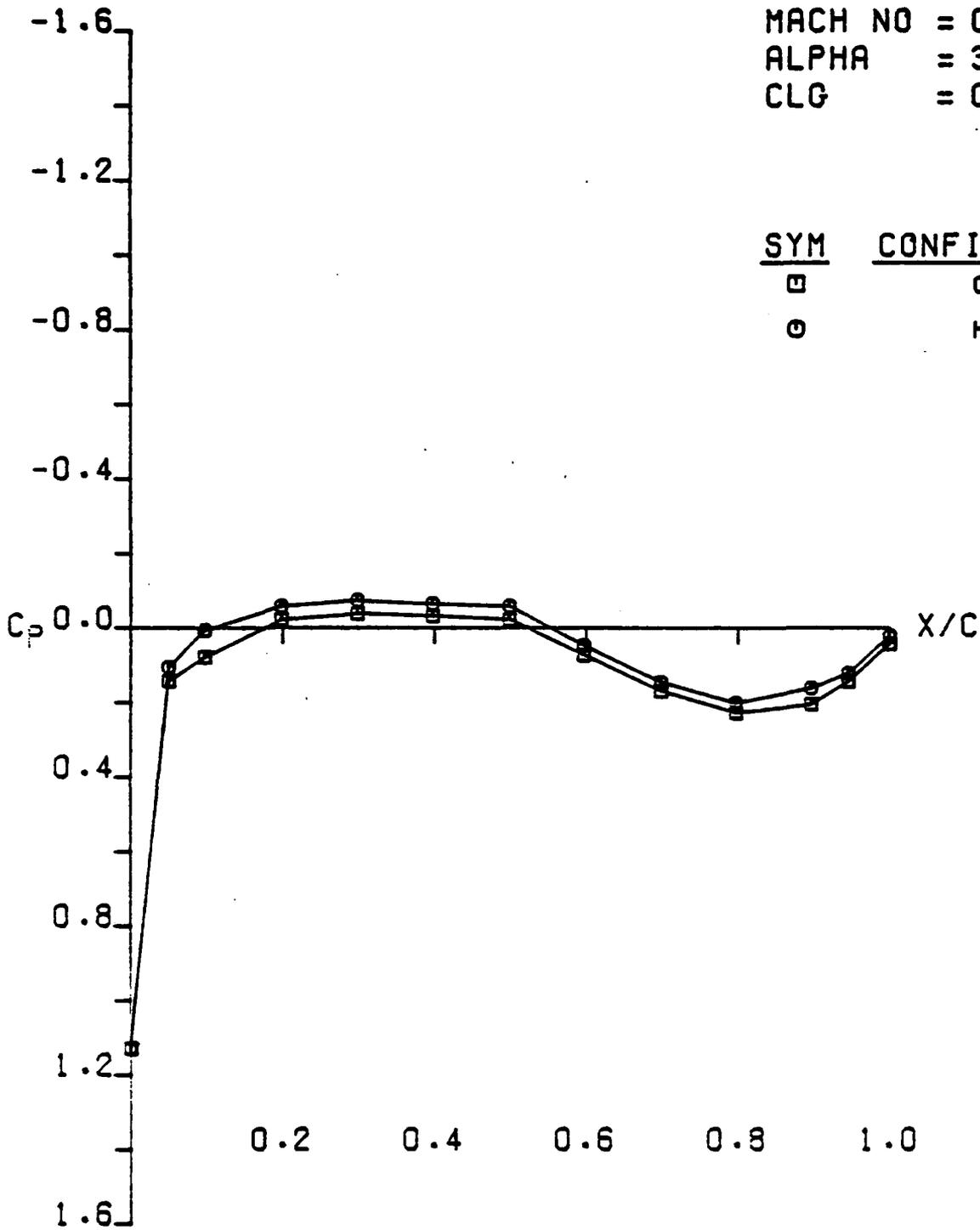
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS HIGH (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

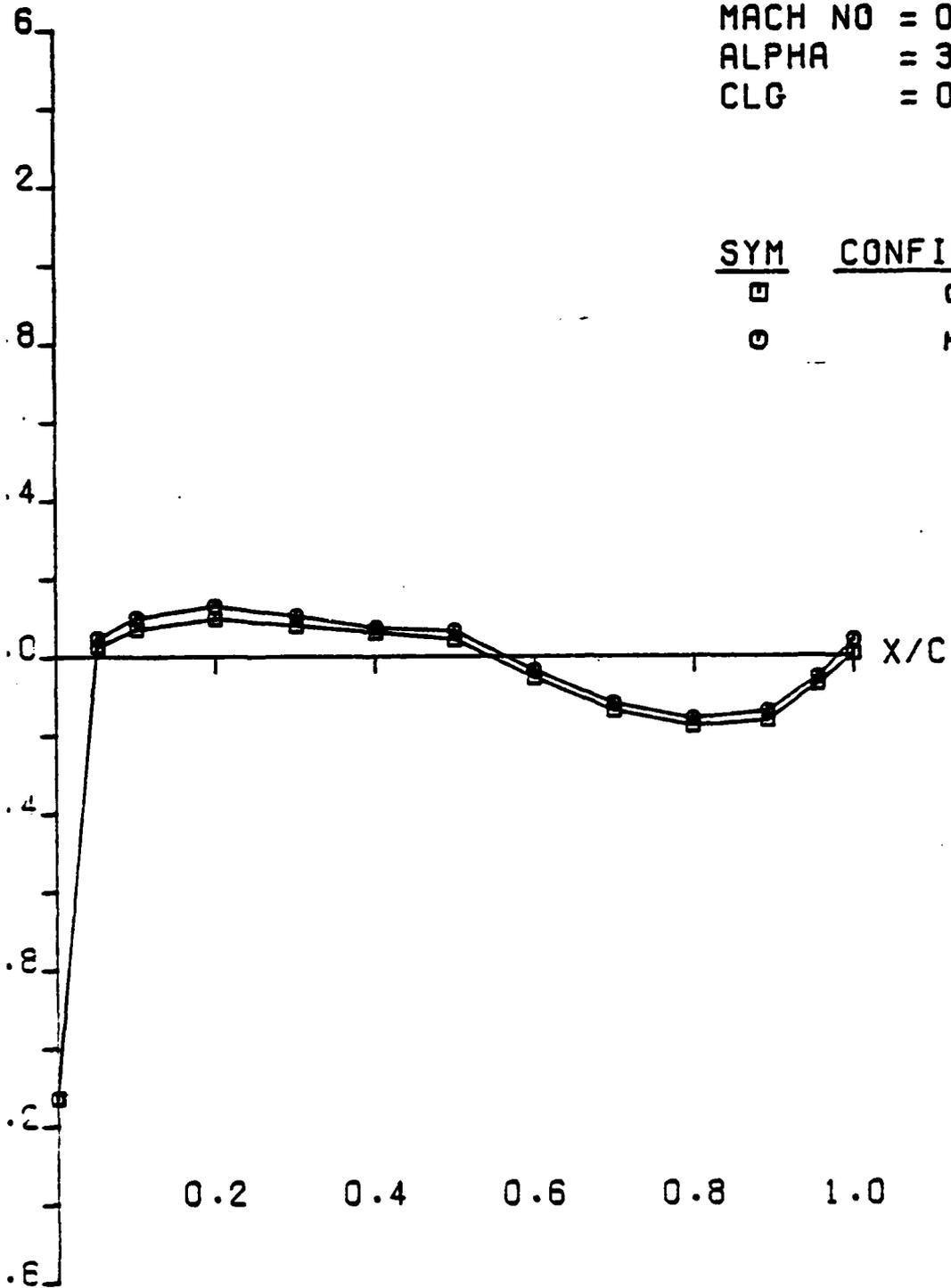
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS HIGH (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

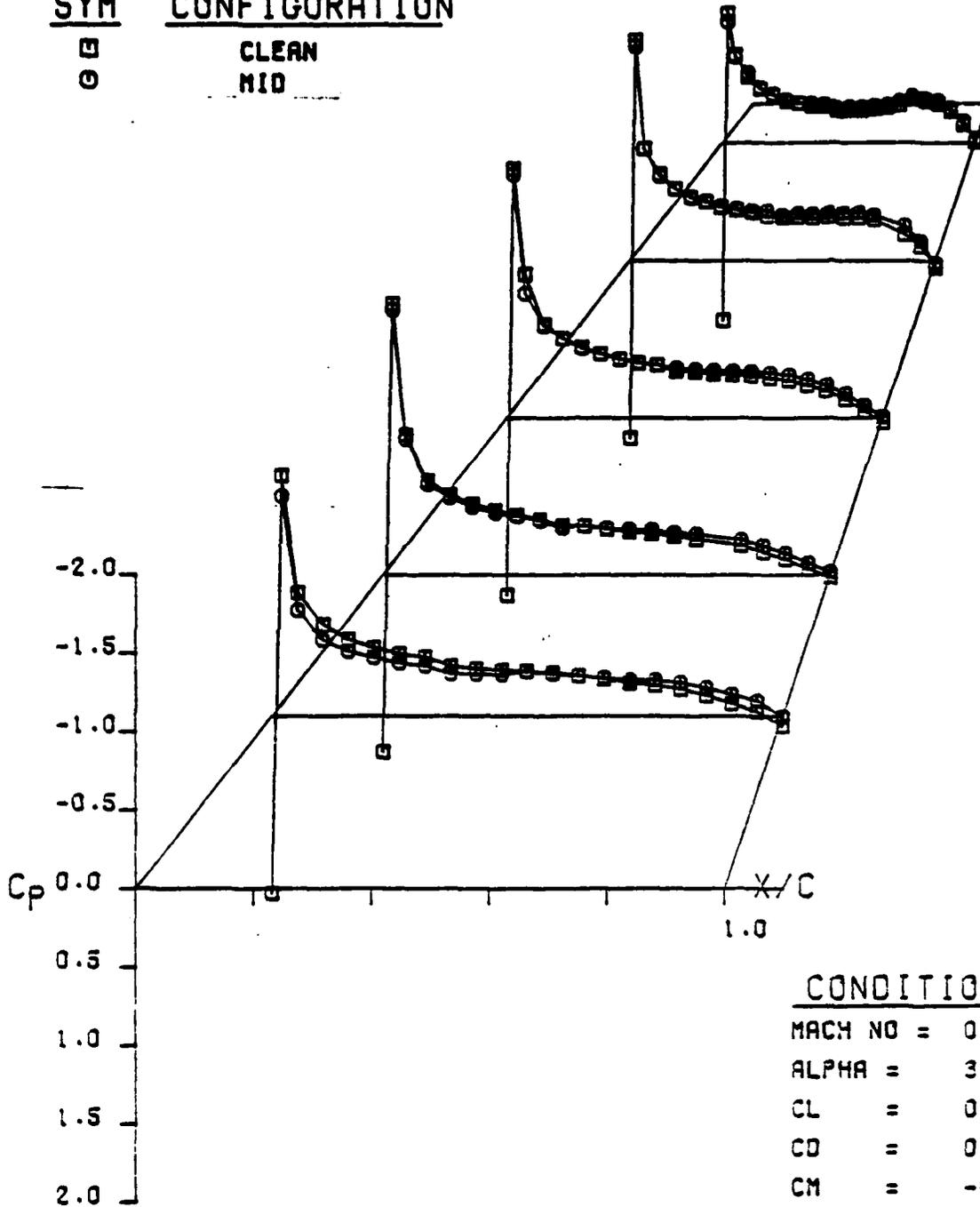


LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS HIGH (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

CLEAN
MID



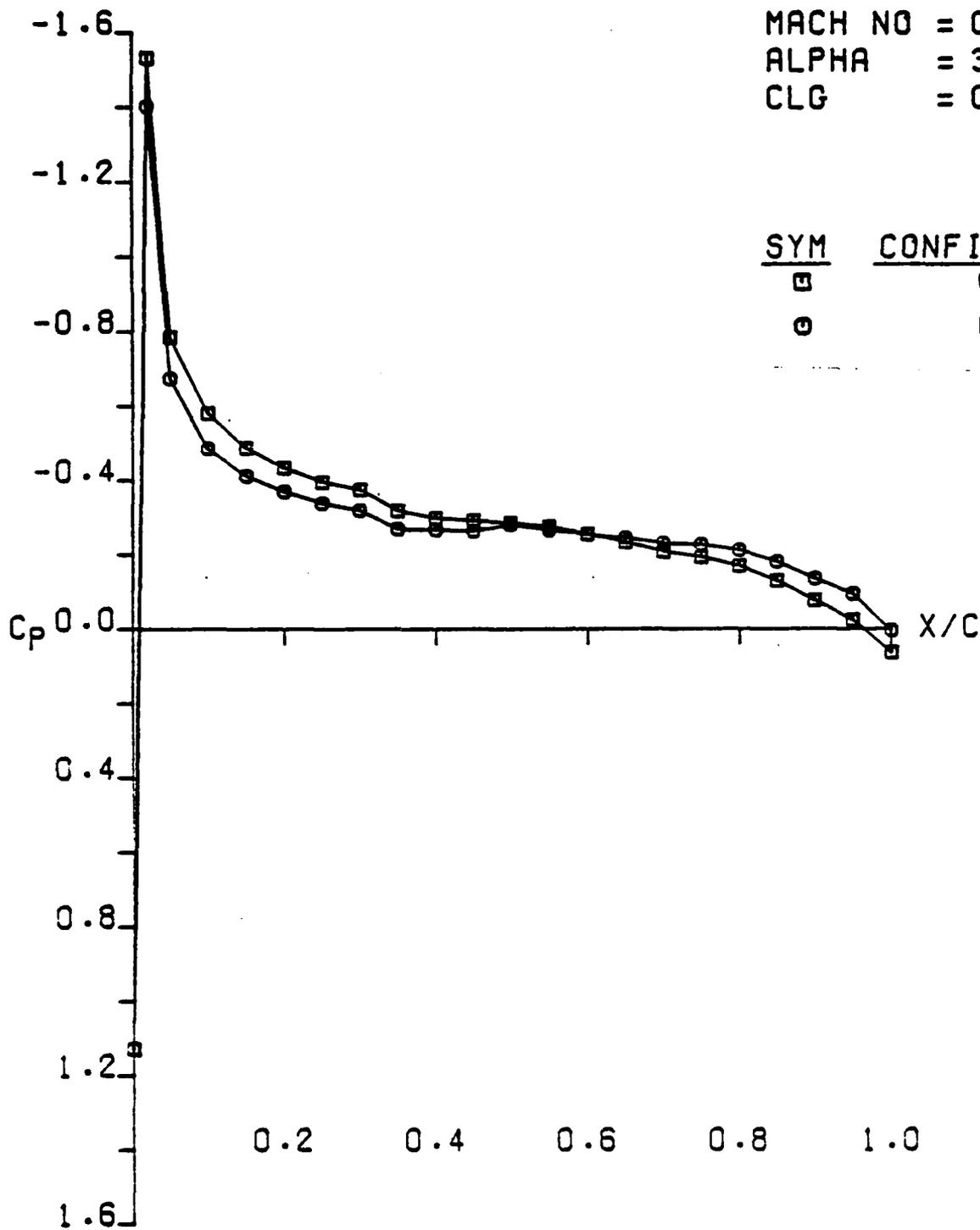
CONDITIONS

MACH NO = 0.701
 ALPHA = 3.955
 CL = 0.429
 CD = 0.027
 CM = -0.054
 CLG = 0.429

LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

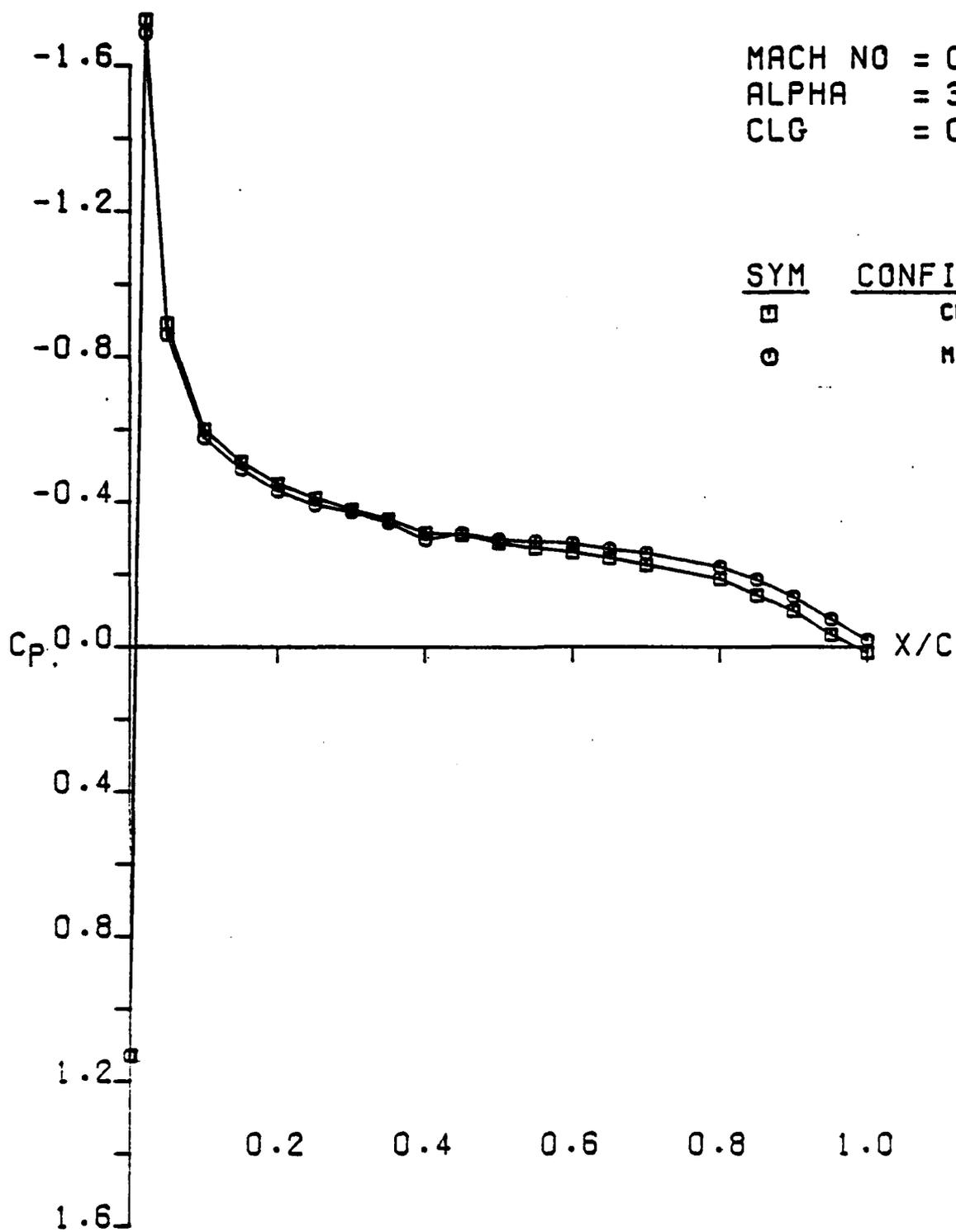
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

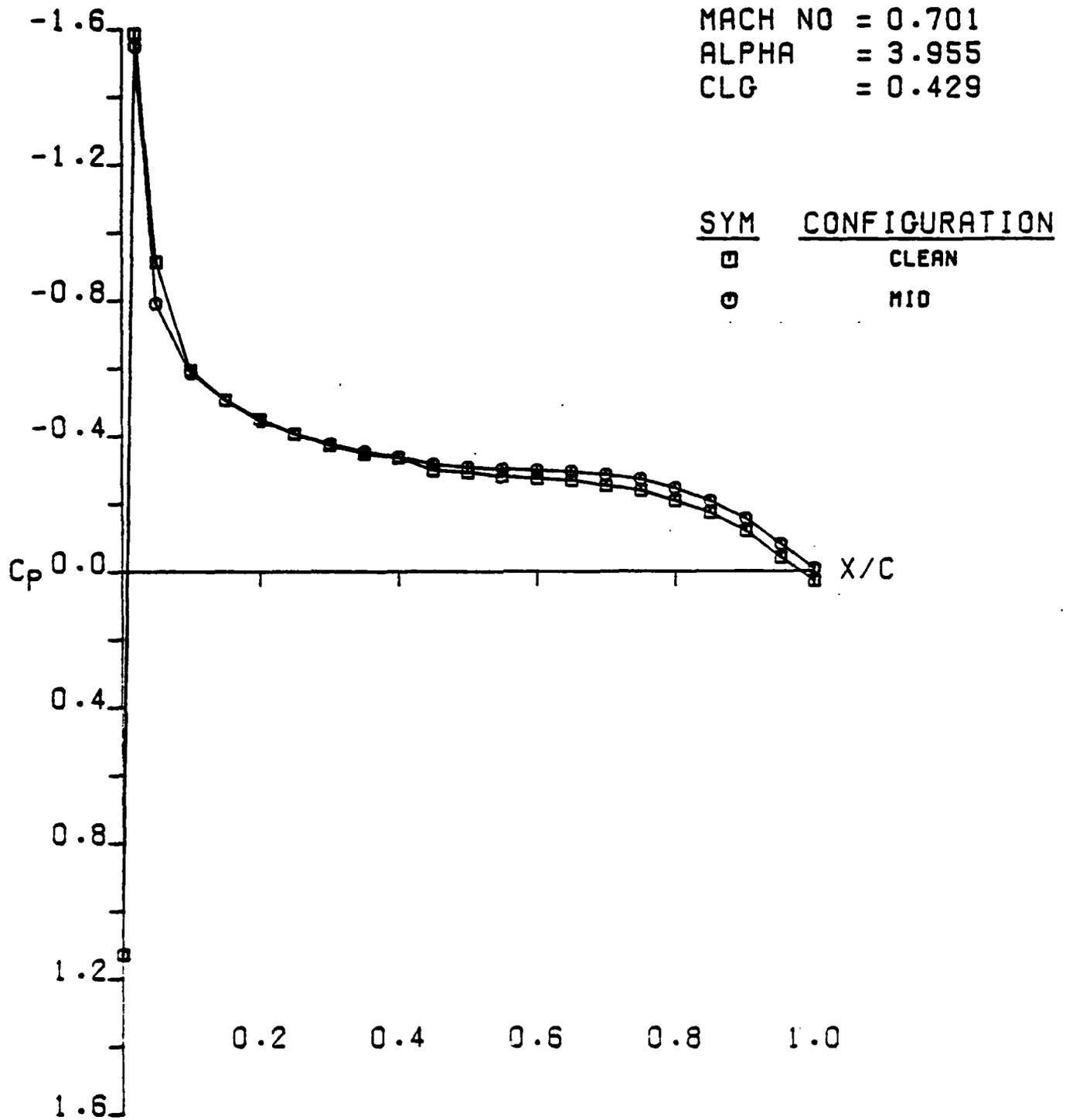
MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



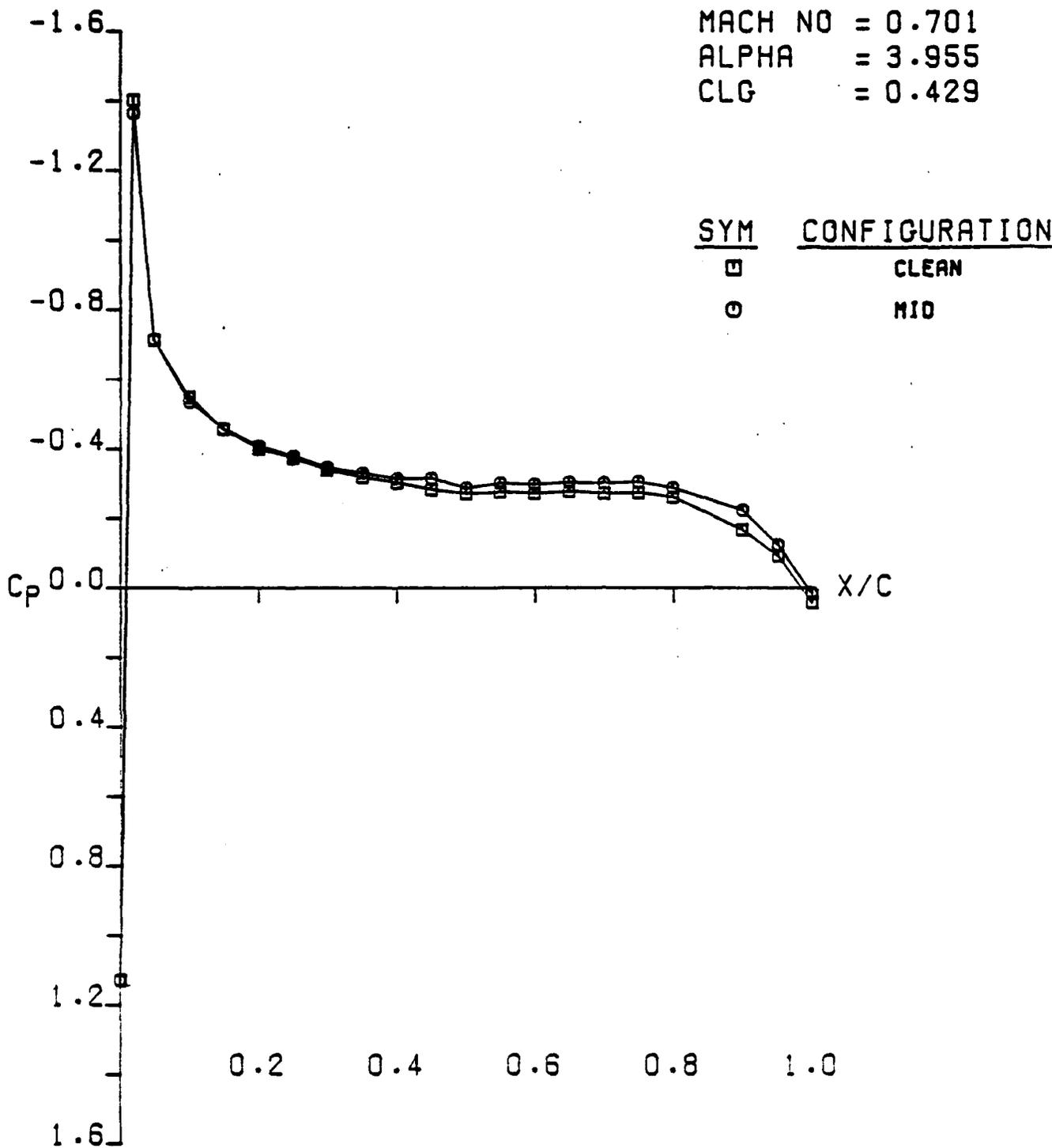
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
ALPHA = 3.955
CLG = 0.429



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS MID (UPR SURF ETA .60)
AFOSR SEMISPAN MODEL B

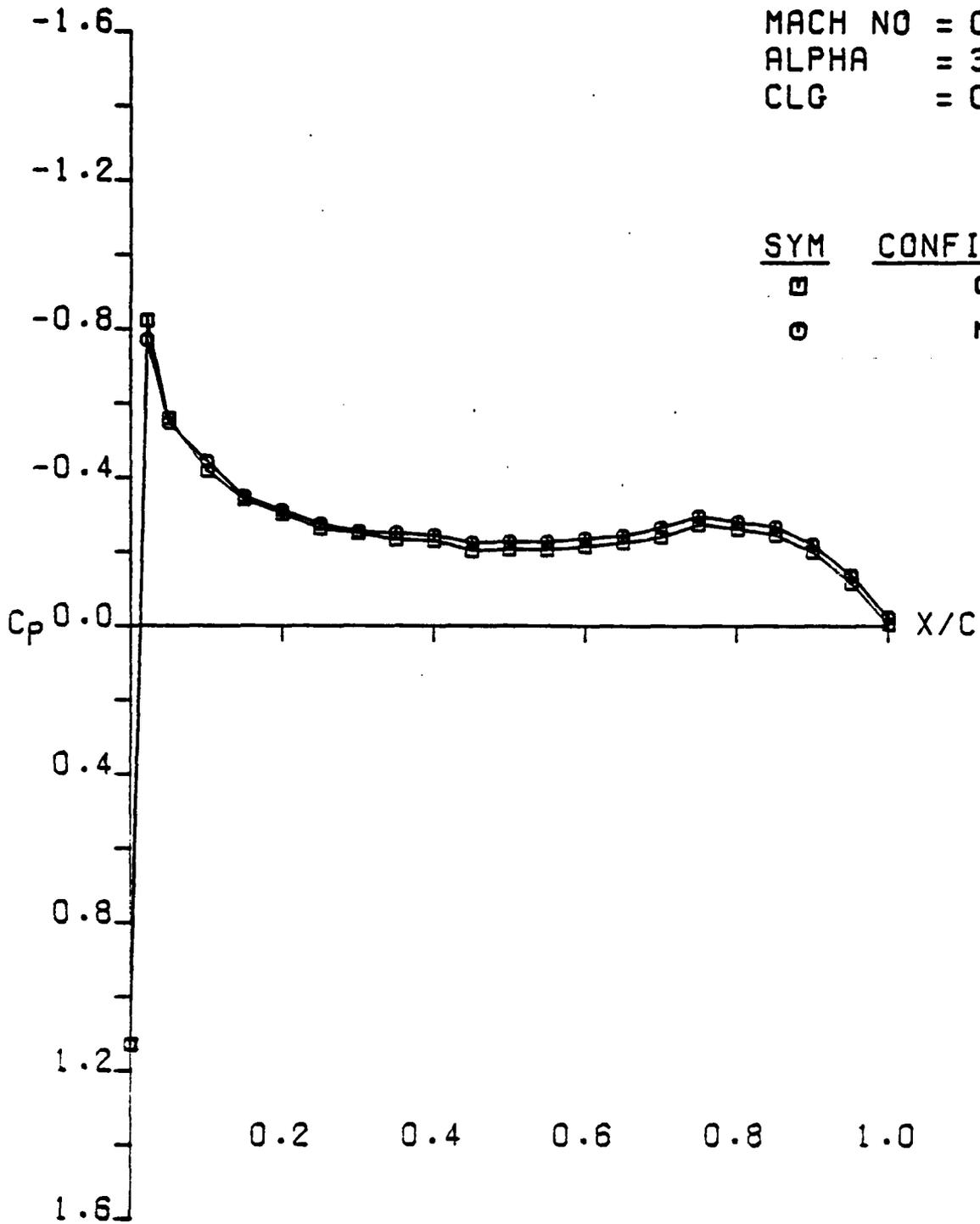
MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

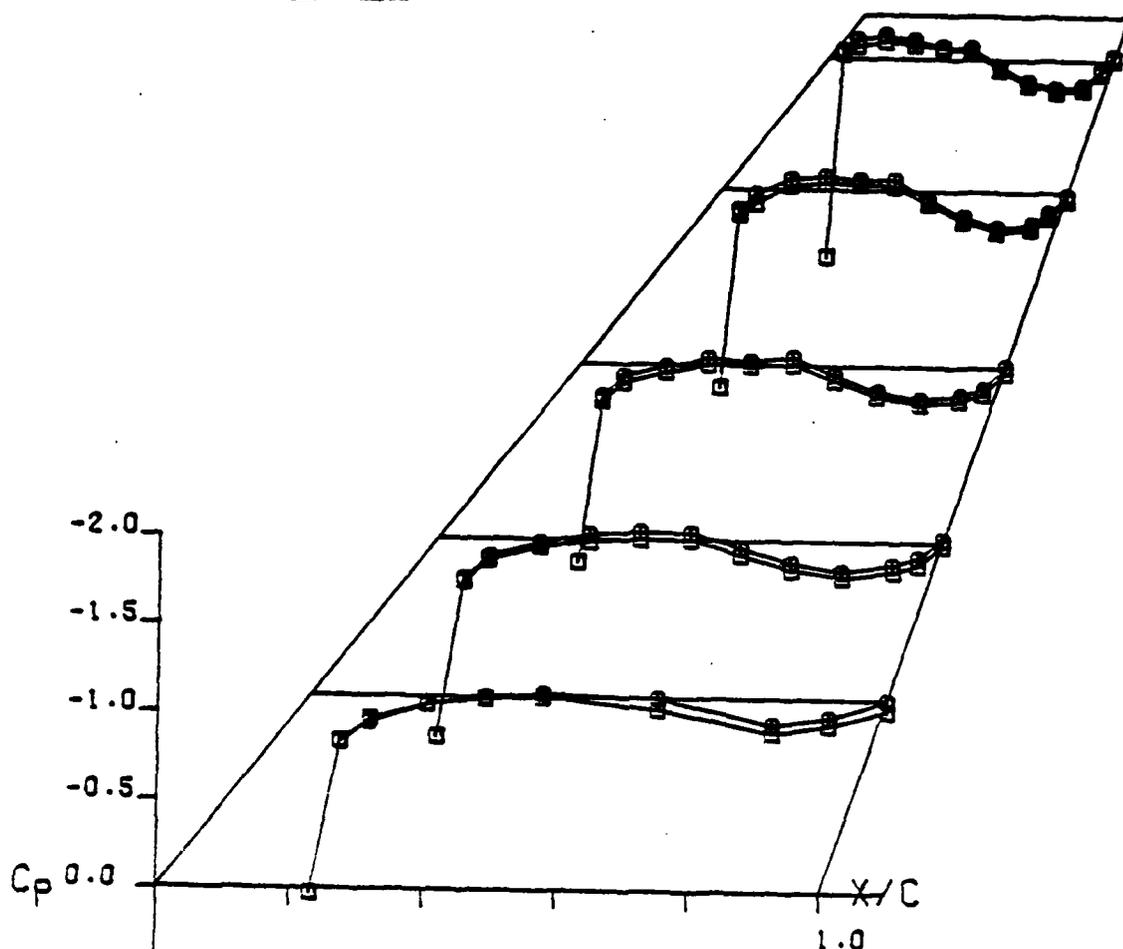
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□ CLEAN
 ○ MID



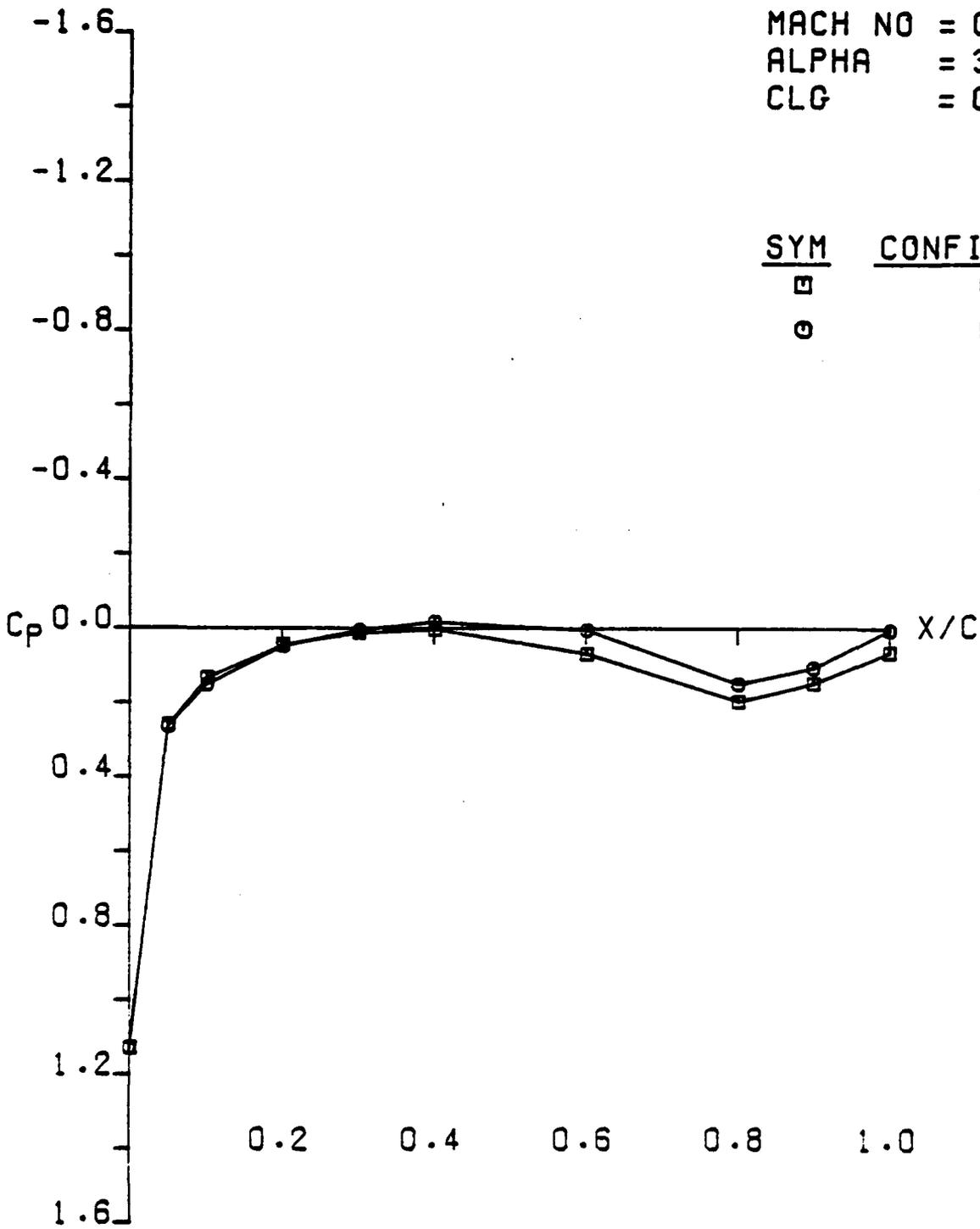
CONDITIONS

MACH NO = 0.701
 ALPHA = 3.955
 CL = 0.429
 CD = 0.027
 CM = -0.054
 CLG = 0.429

LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (LWR SURF)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

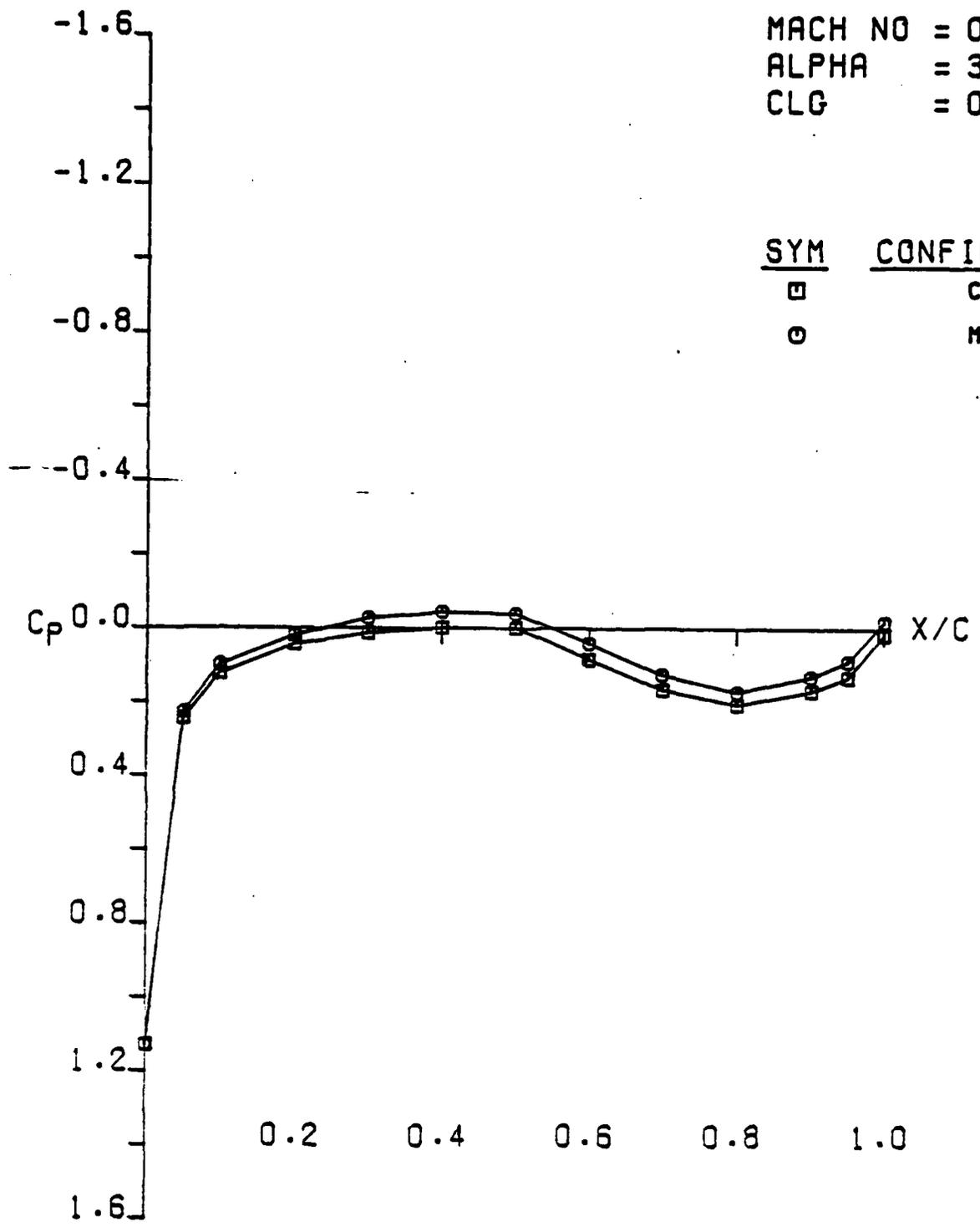
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



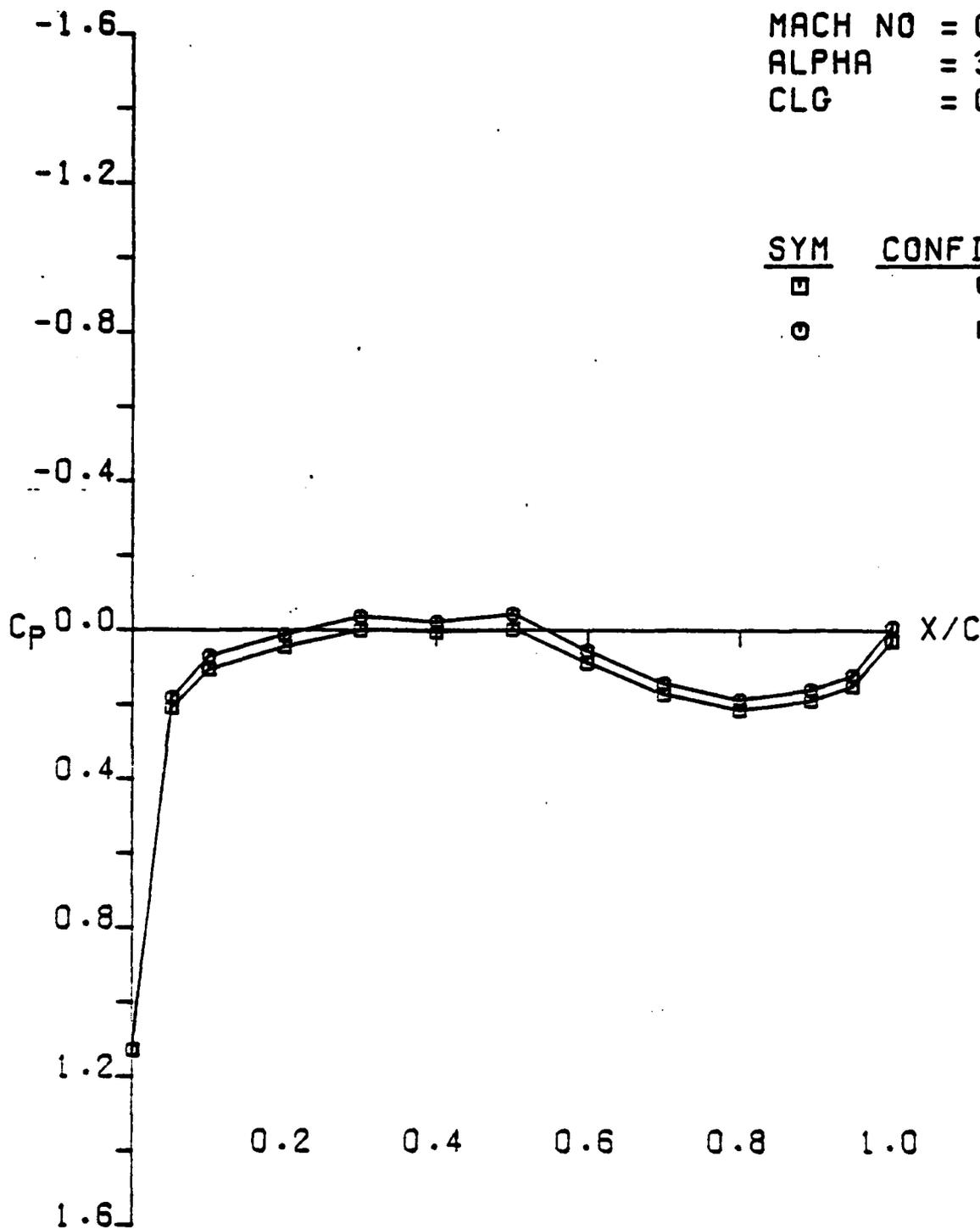
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL 8



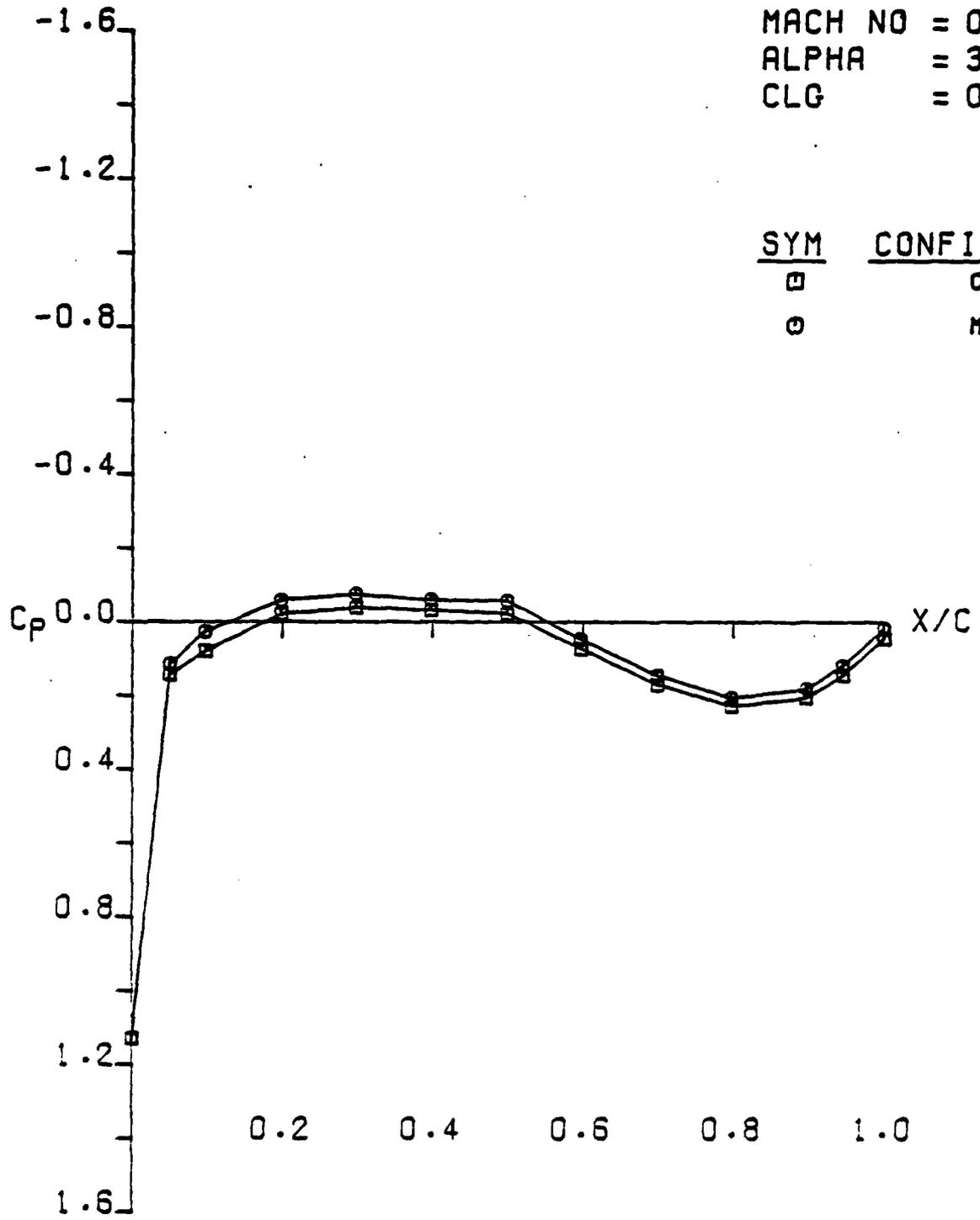
MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

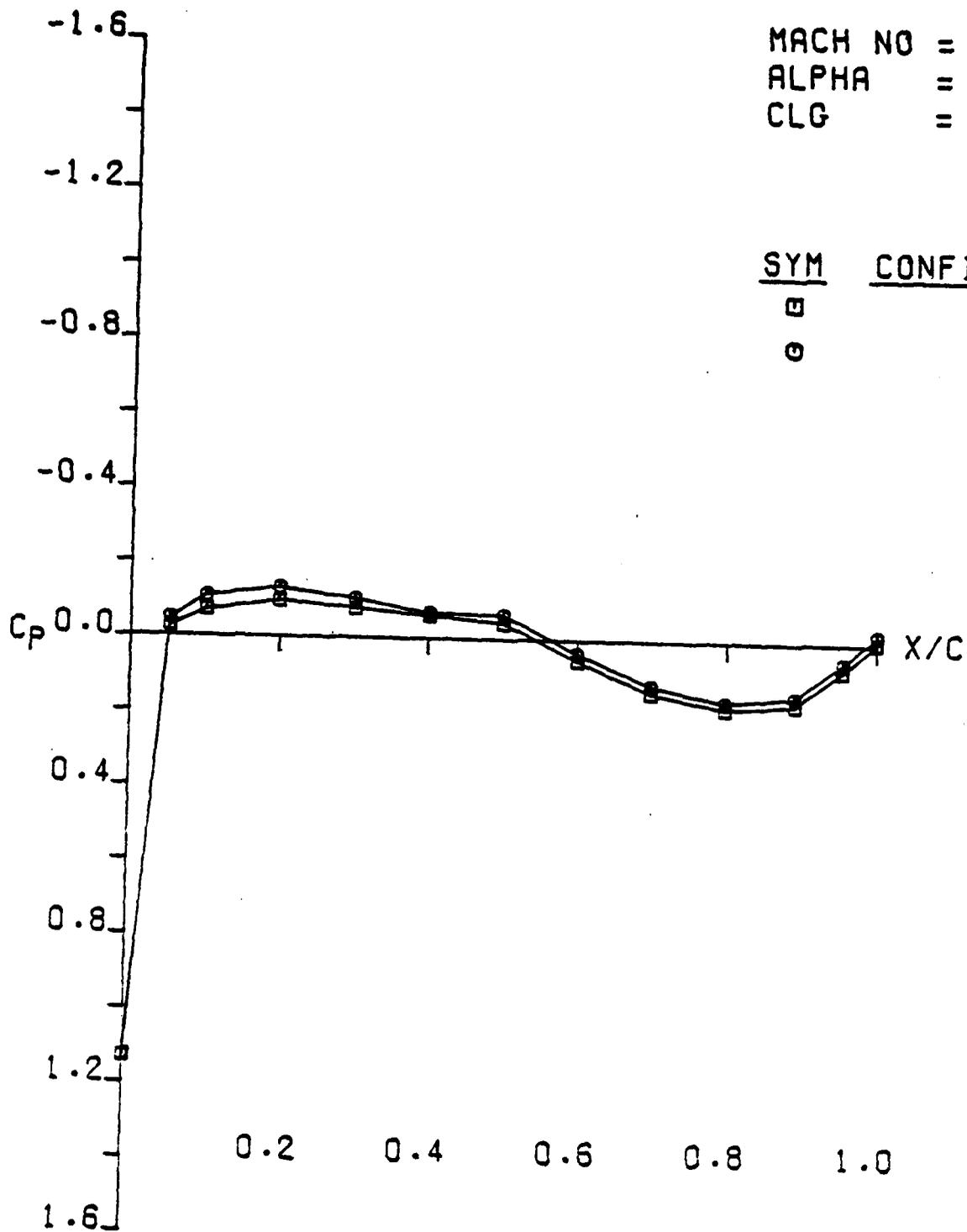
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

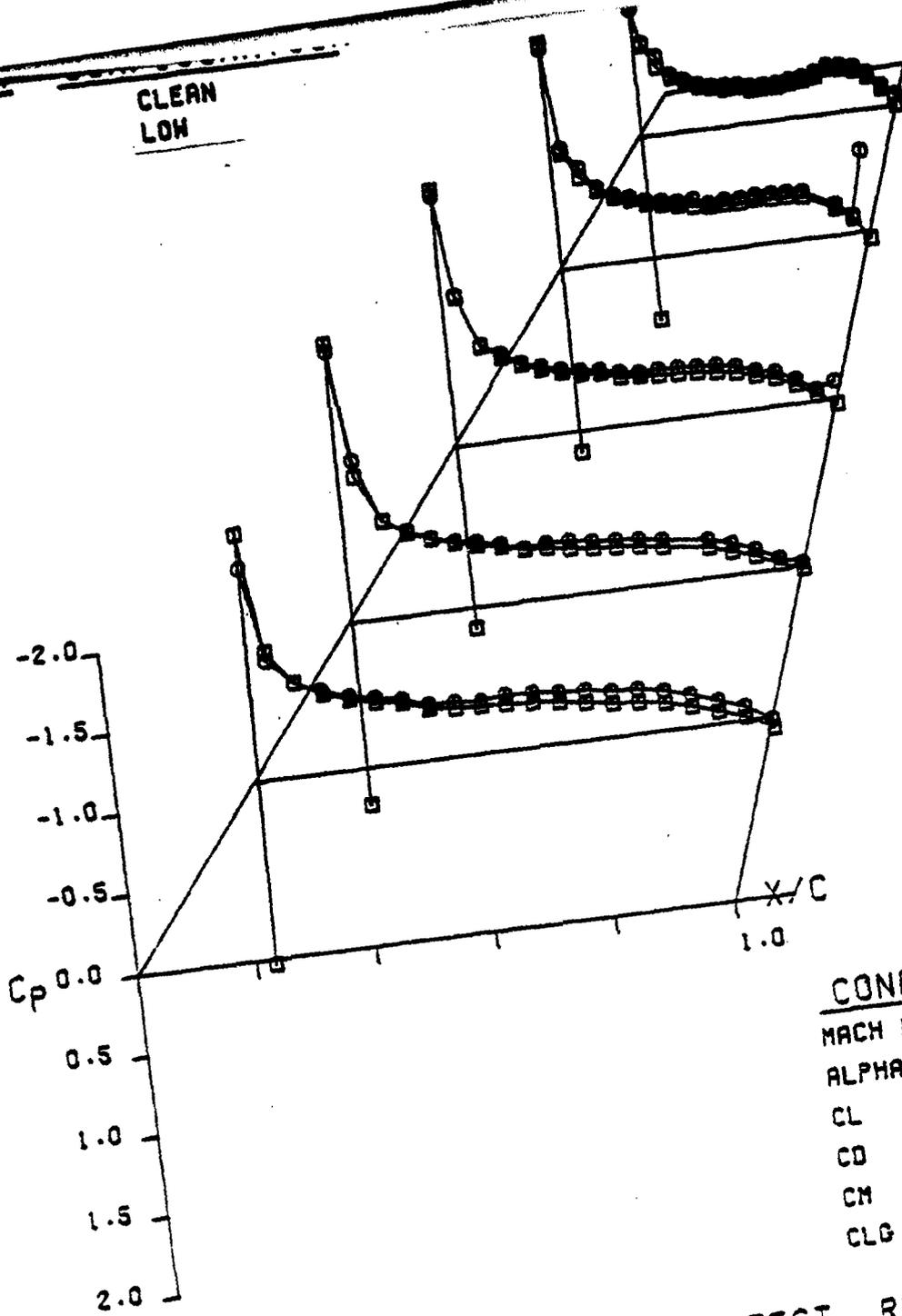
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS MID (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

00

CLEAN
LOW

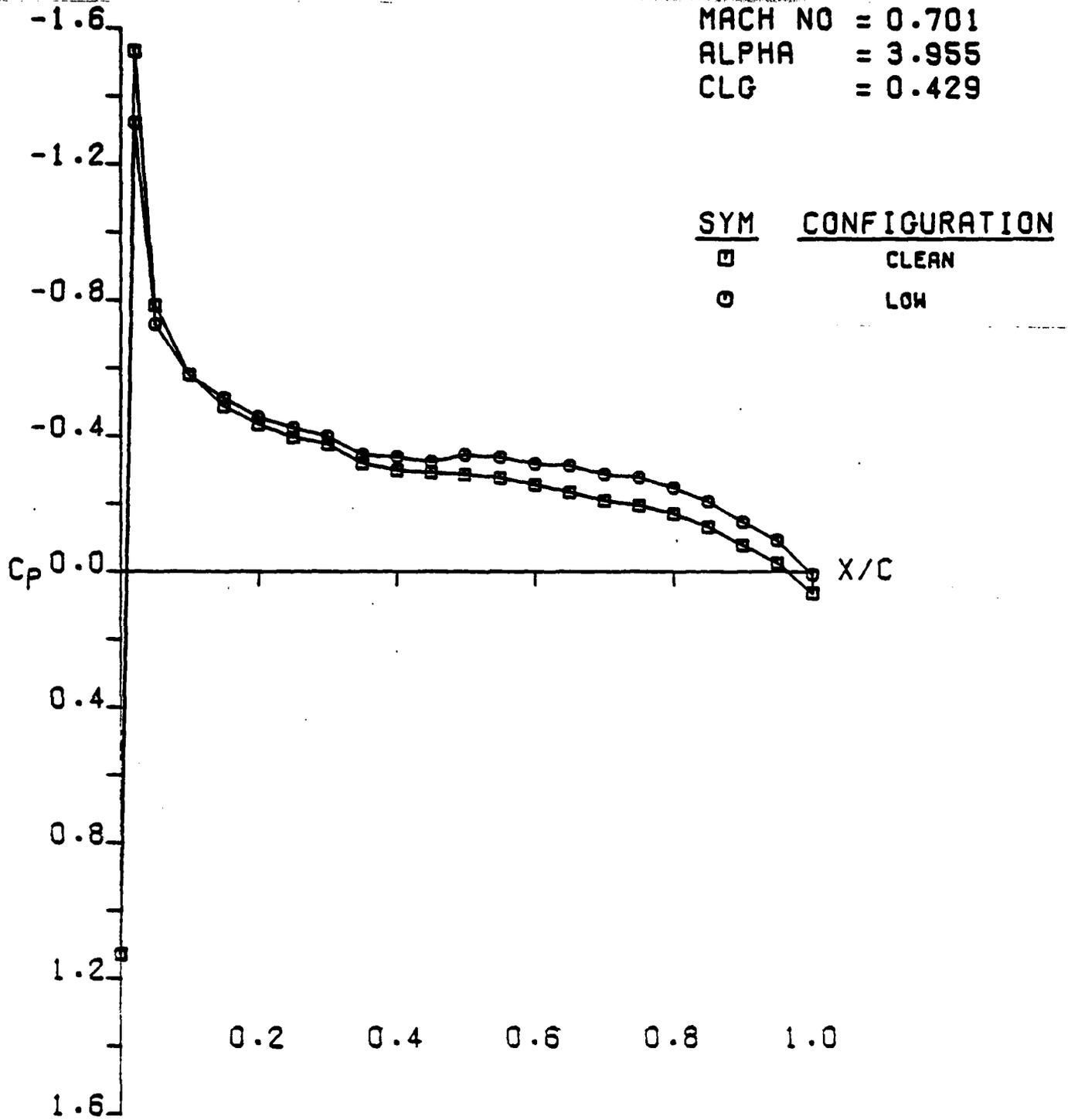


CONDITIONS

MACH NO = 0.701
ALPHA = 3.955
CL = 0.429
CD = 0.027
CM = -0.054
CLG = 0.429

LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS LOW (UPR SURF)
AFOSR SEMISPAN MODEL B

MACH NO = 0.701
ALPHA = 3.955
CLG = 0.429

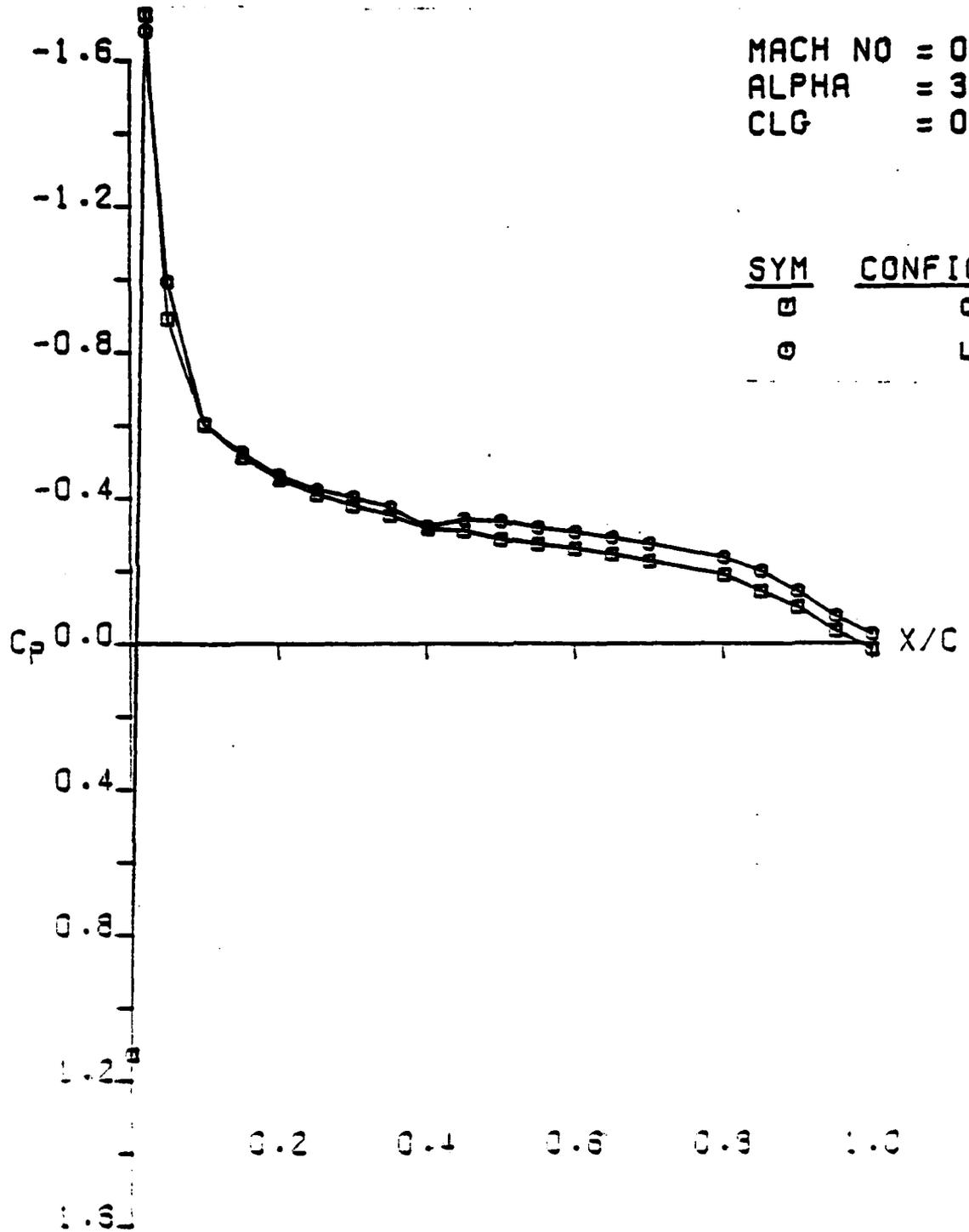


SYM CONFIGURATION
□ CLEAN
○ LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
CLN VS LOW (UPR SURF ETA.216)
AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

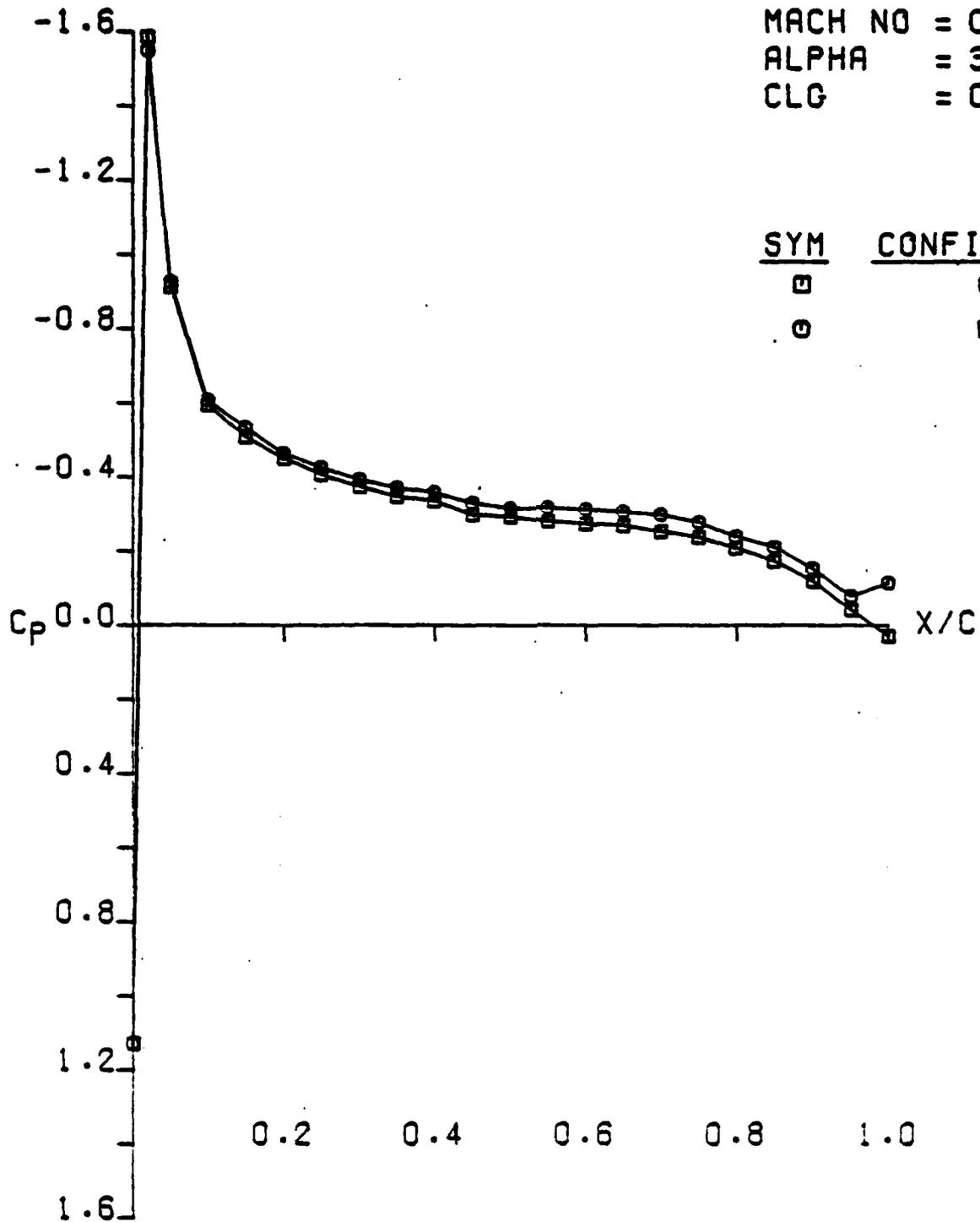
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
⊙	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

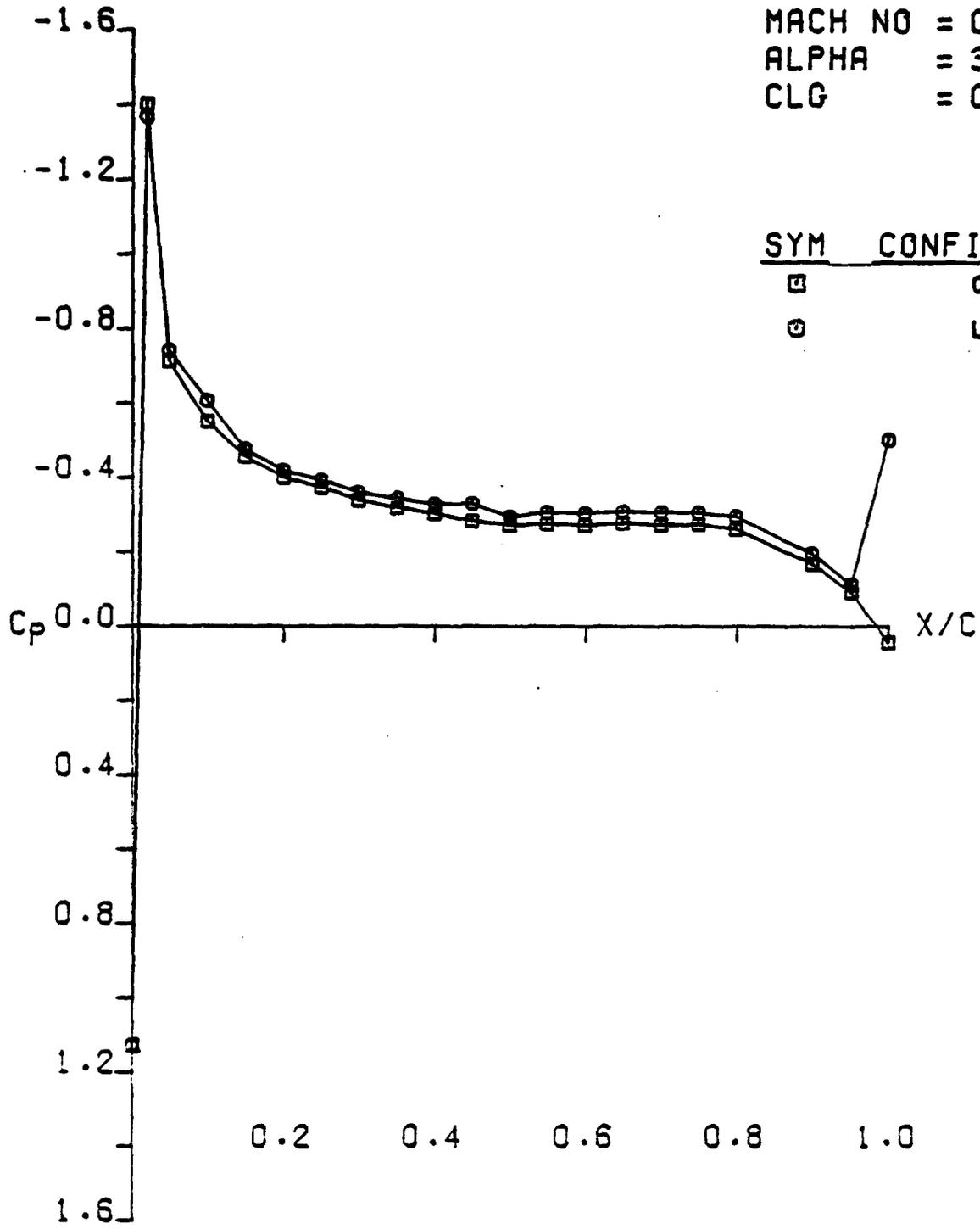
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B

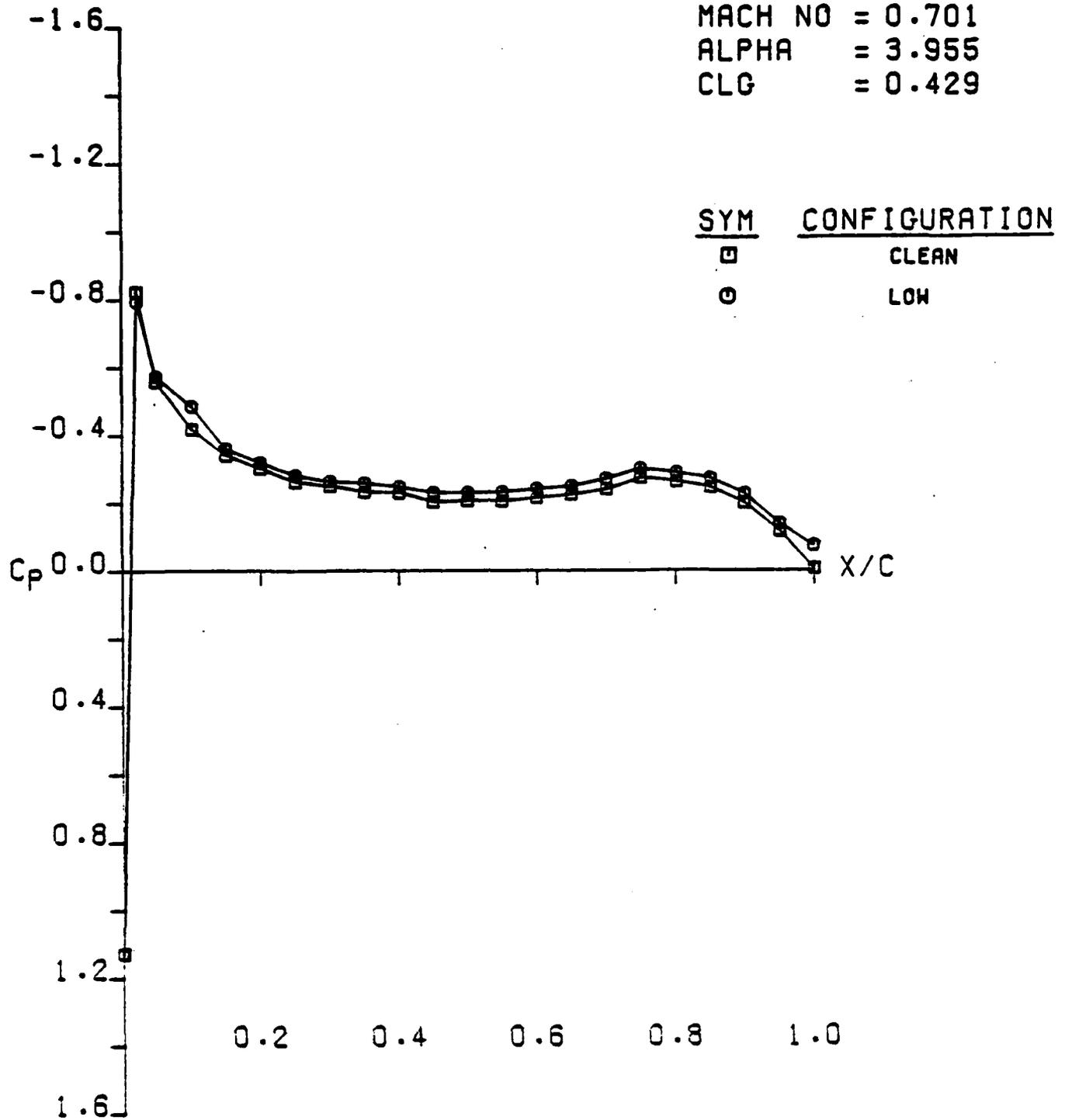
MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

SYM	CONFIGURATION
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B

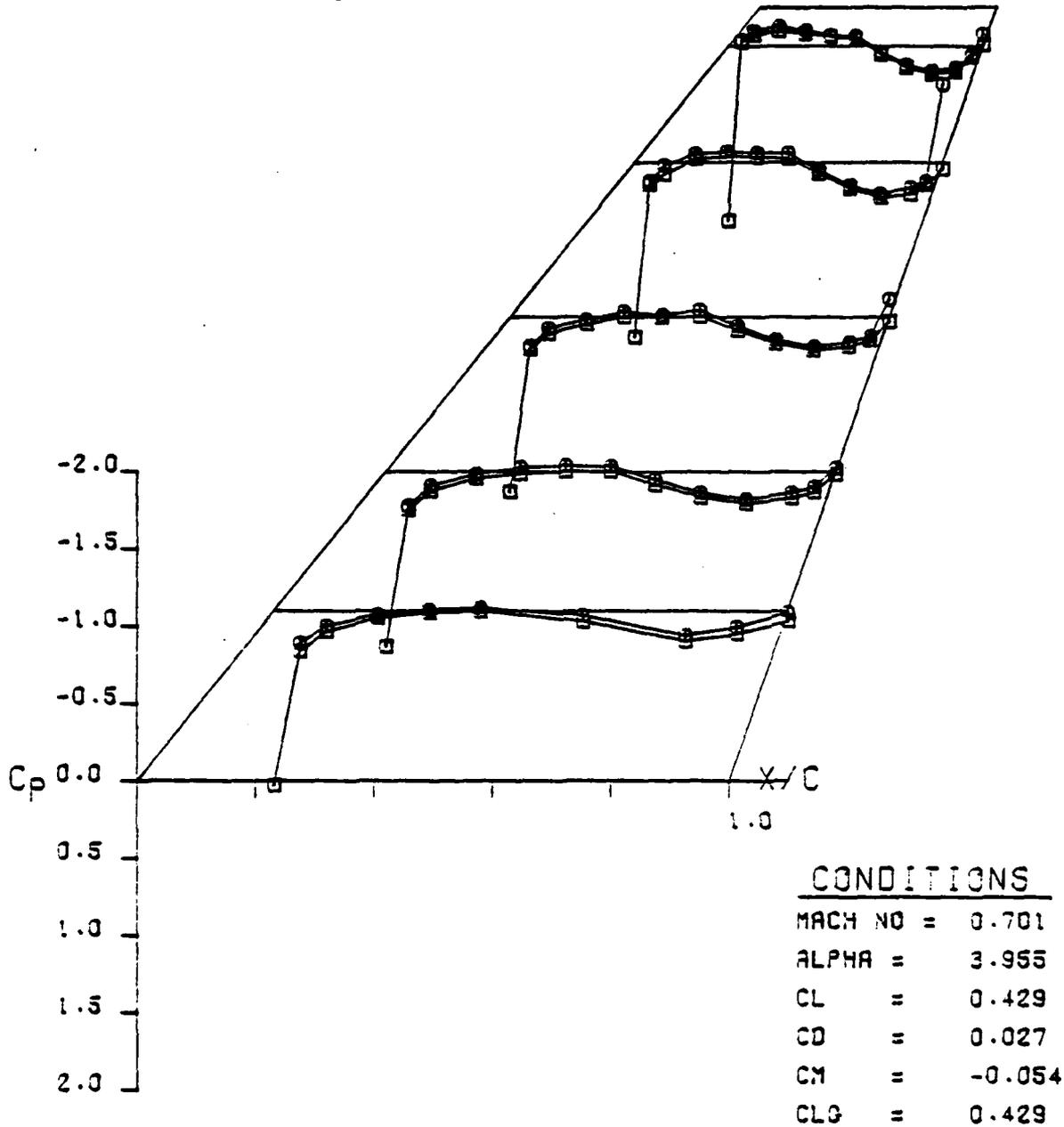
MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429



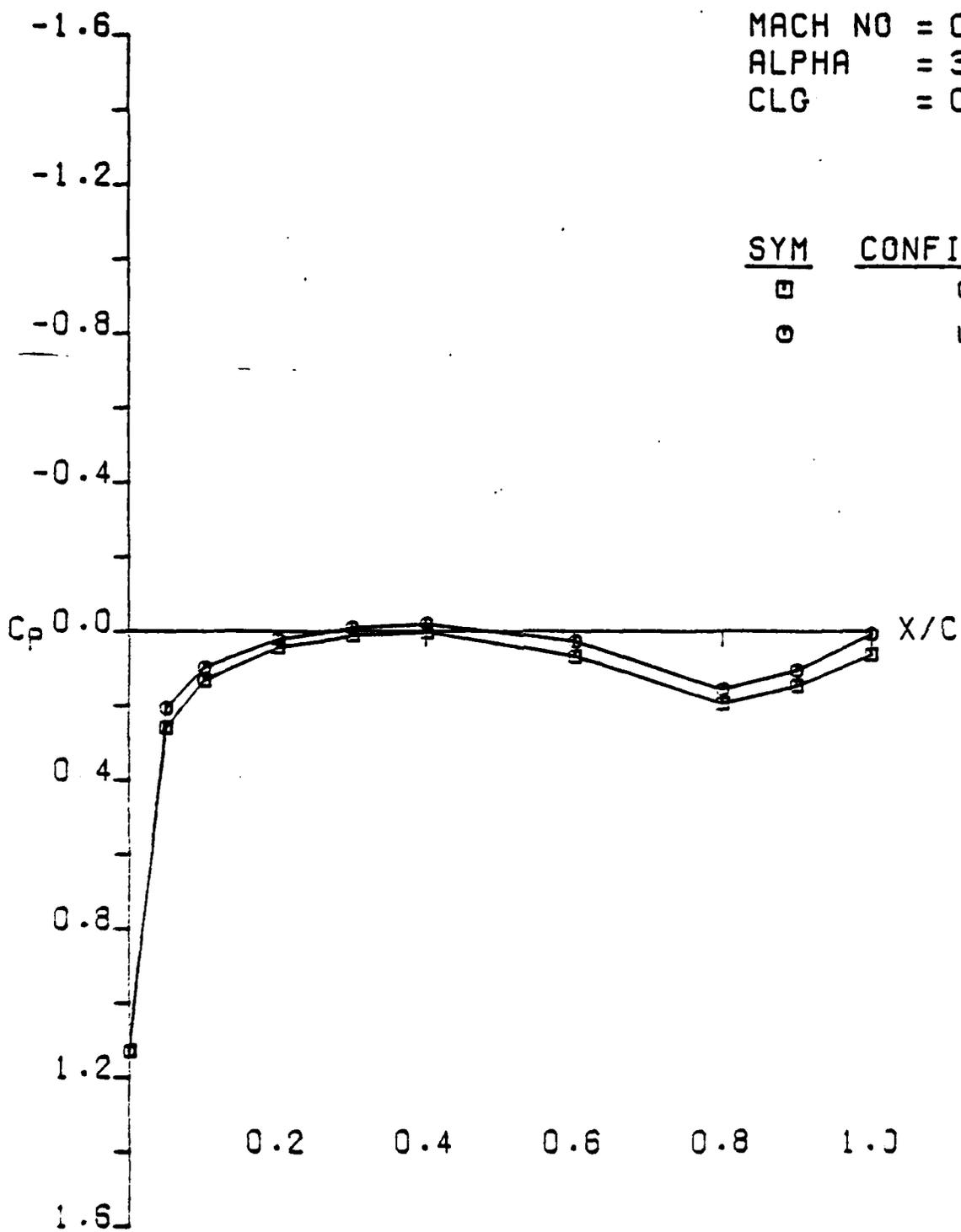
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□ CLEAN
 ○ LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL B



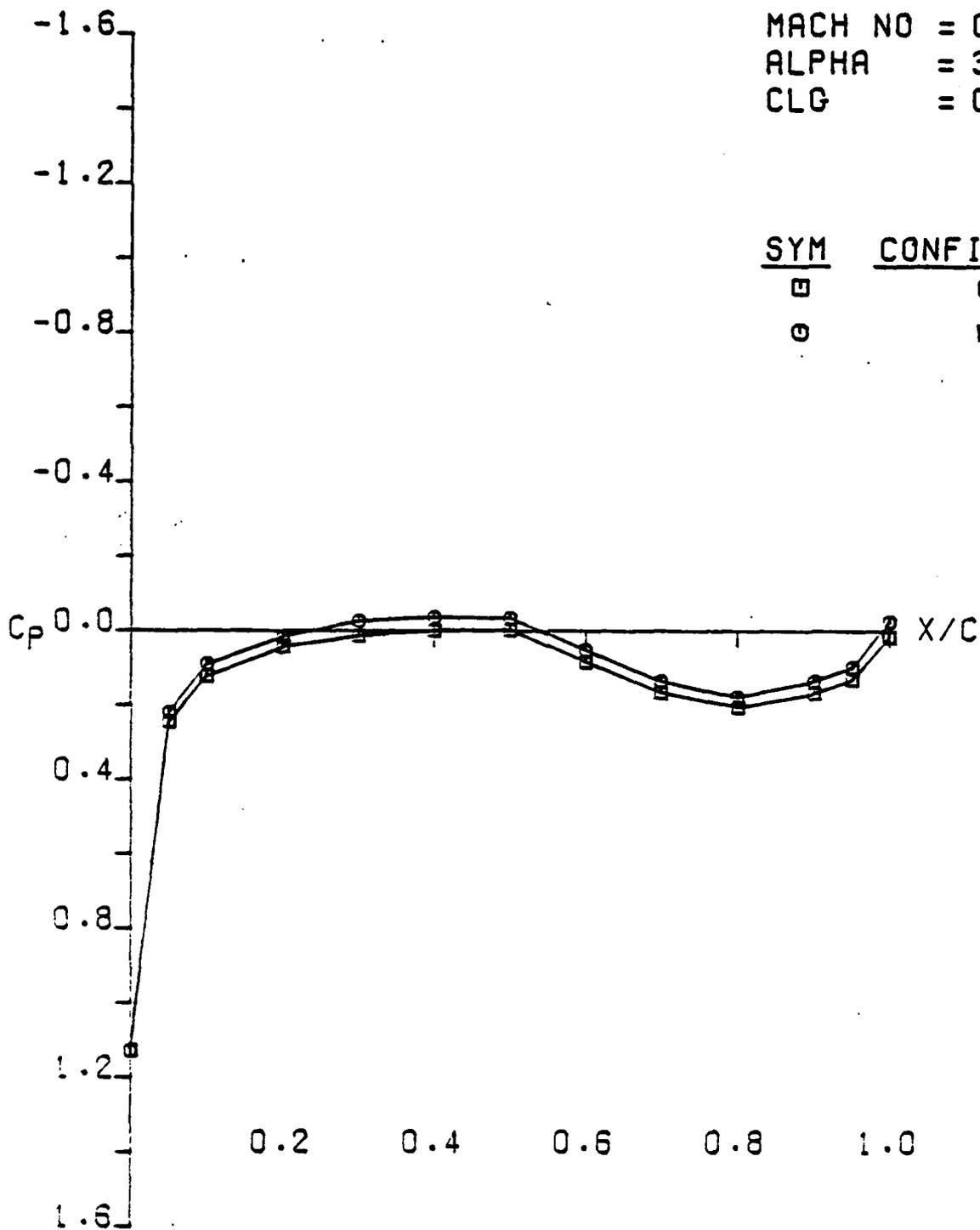
MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

SYM	CONFIGURATION
□	CLEAN
○	LOW

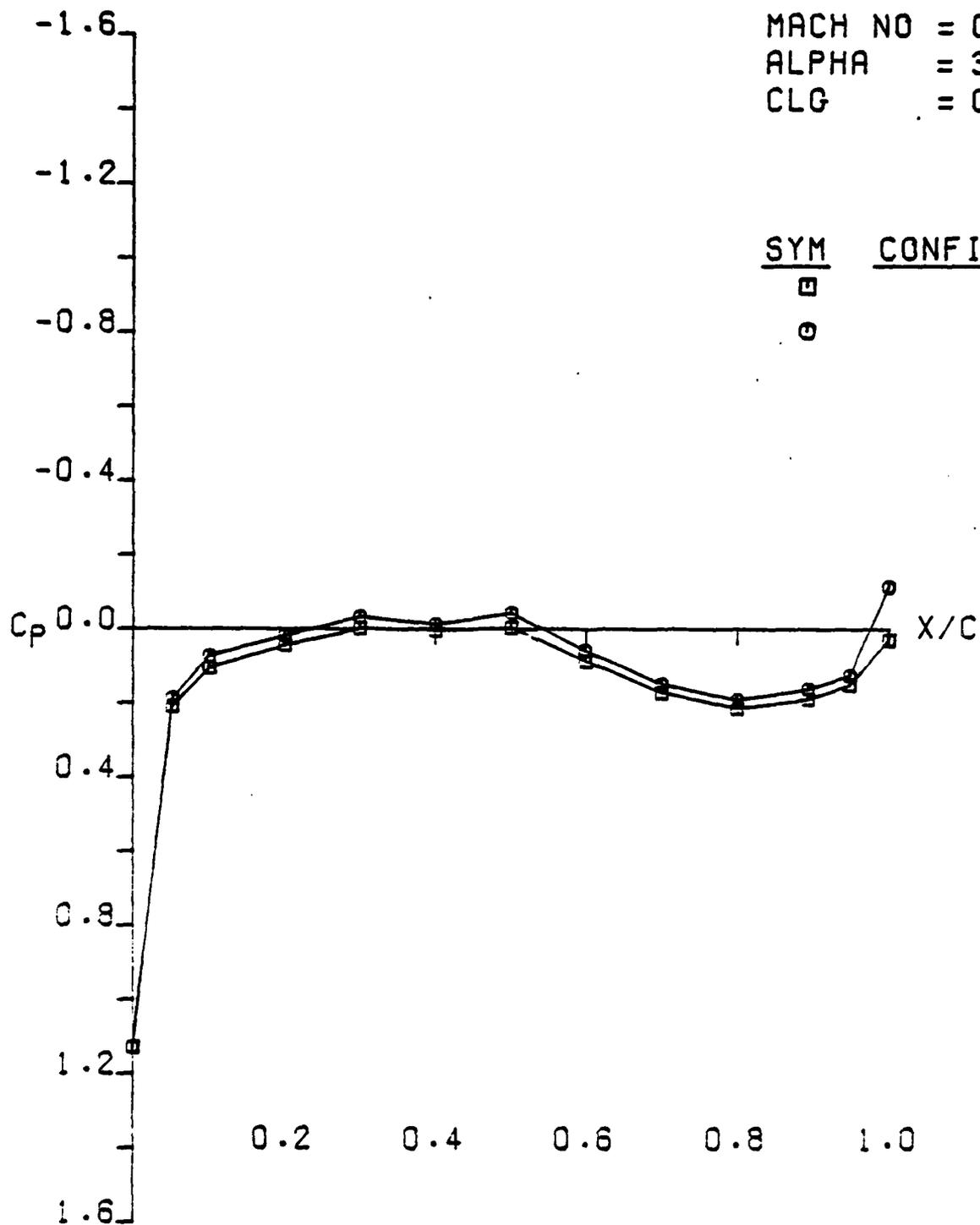
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



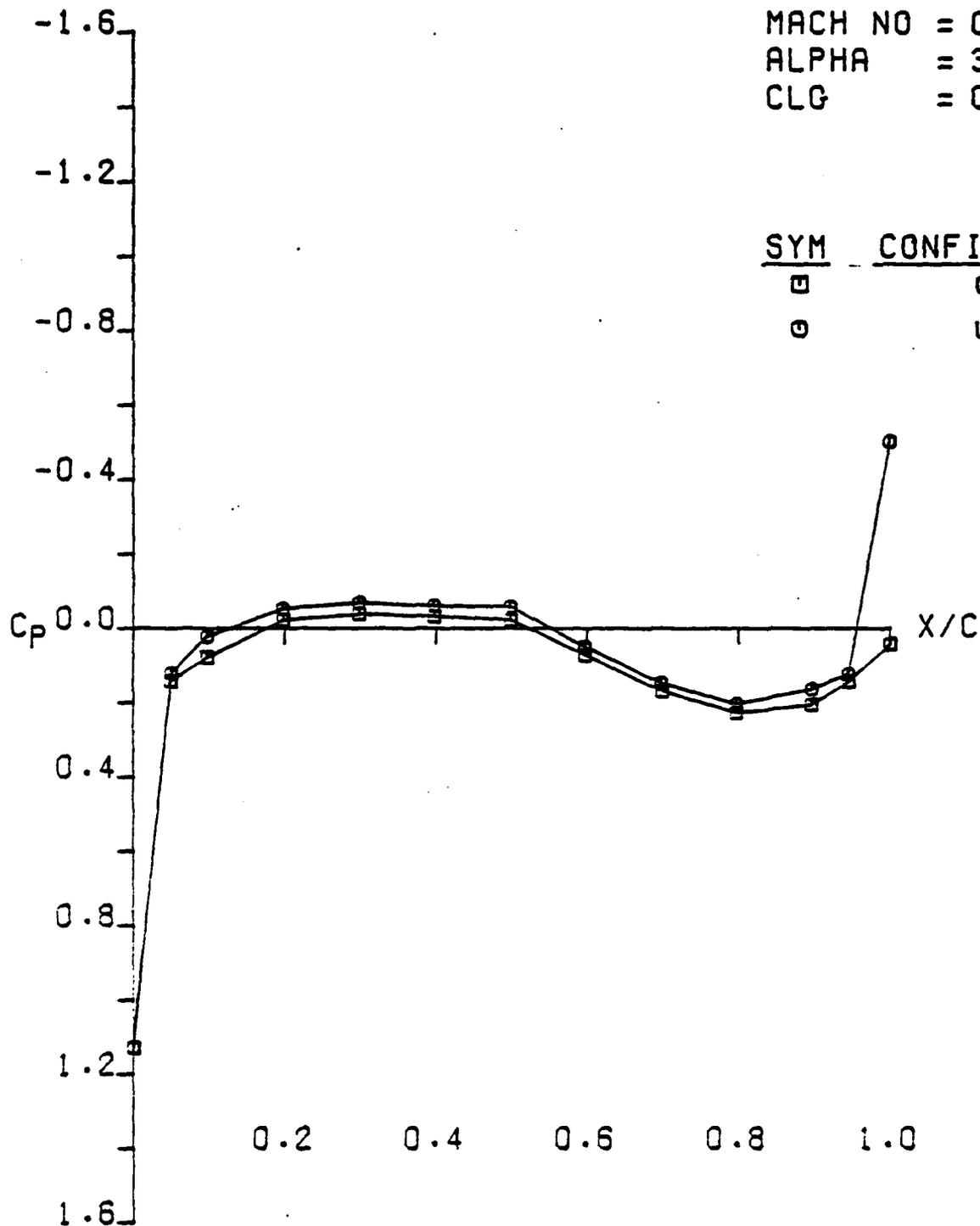
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

SYM	CONFIGURATION
□	CLEAN
○	LOW

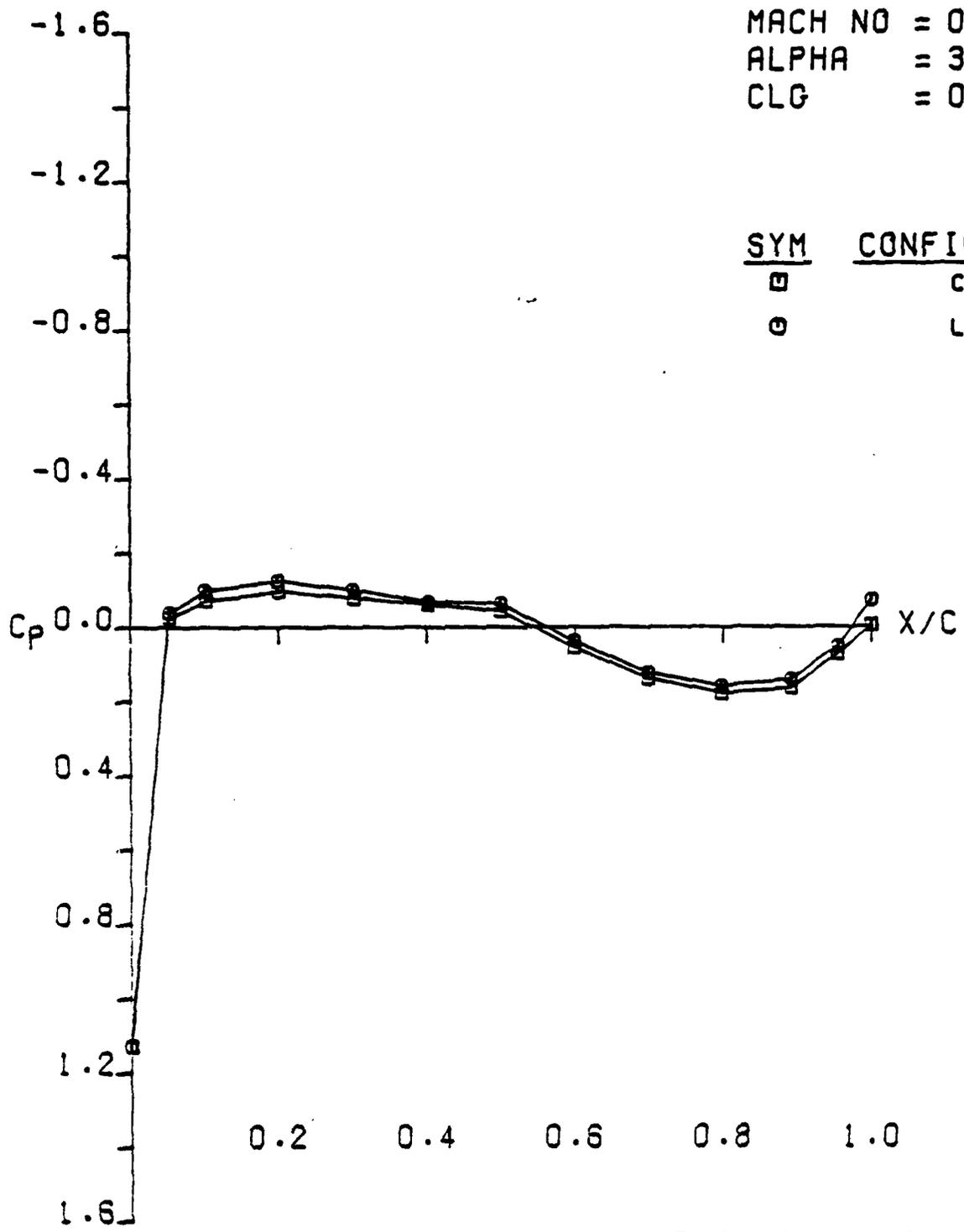
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.701
 ALPHA = 3.955
 CLG = 0.429

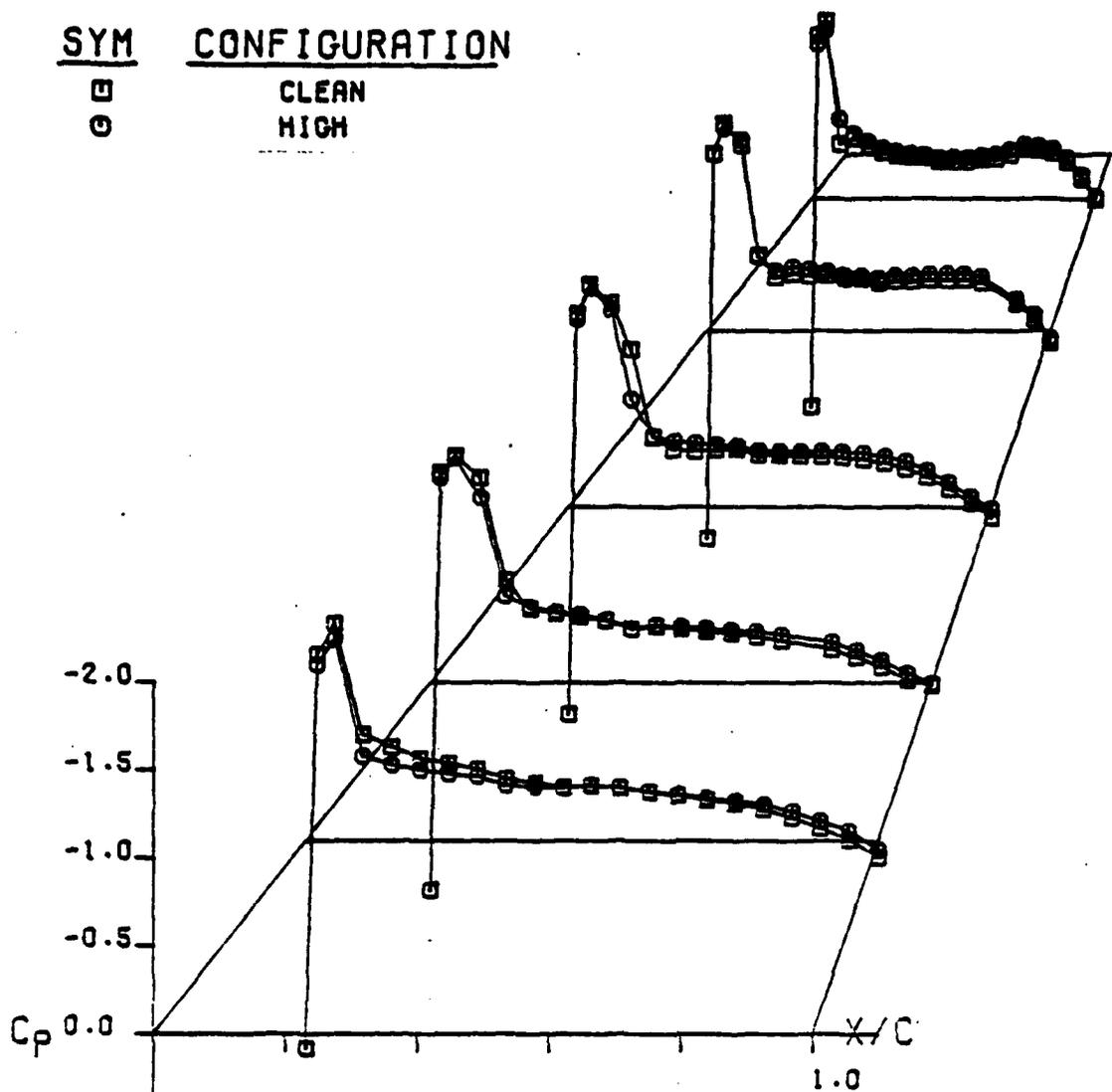
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 5
 CLN VS LOW (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

CLEAN
HIGH



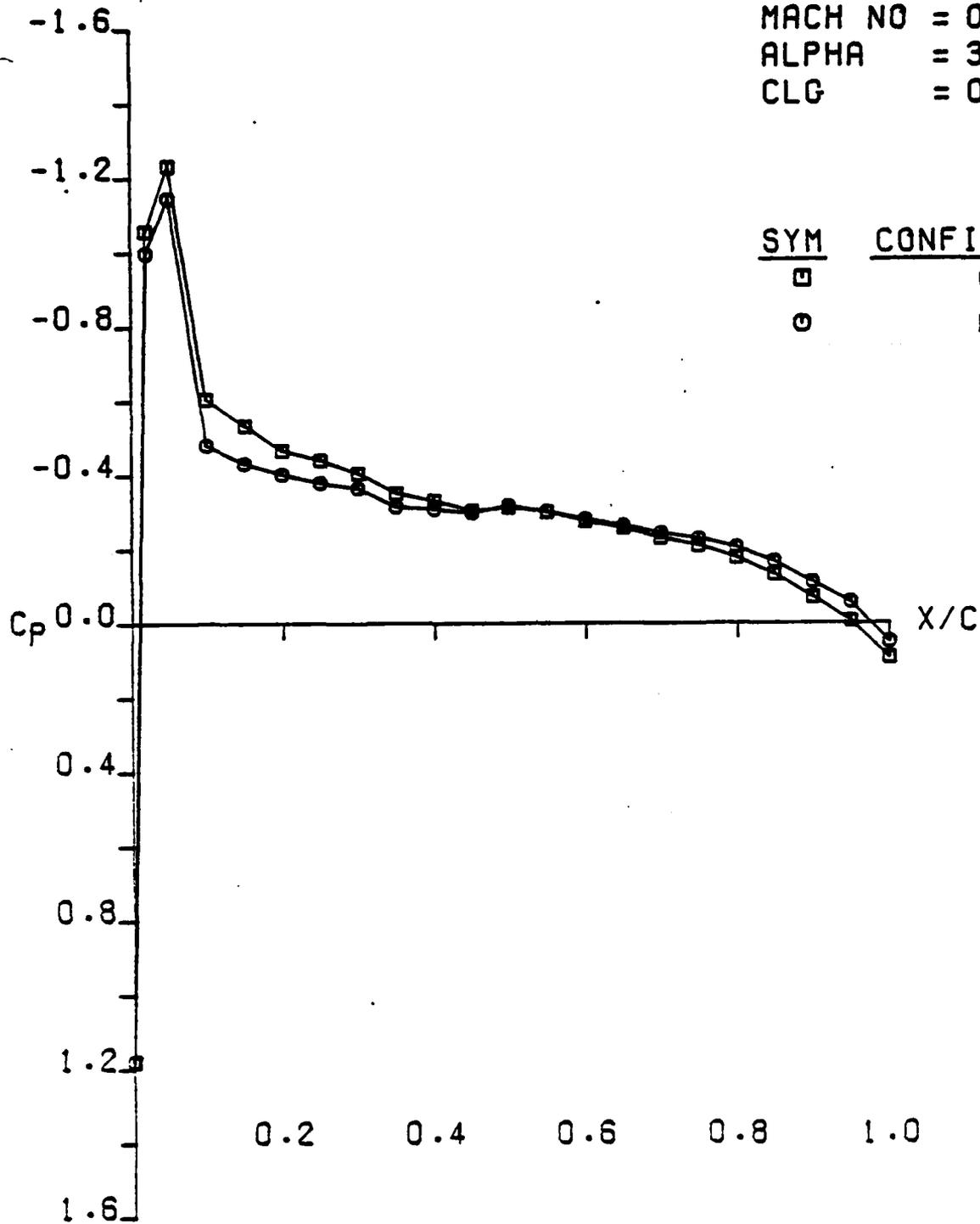
CONDITIONS

MACH NO = 0.821
 ALPHA = 3.947
 CL = 0.460
 CD = 0.031
 CM = -0.063
 CLG = 0.460

LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

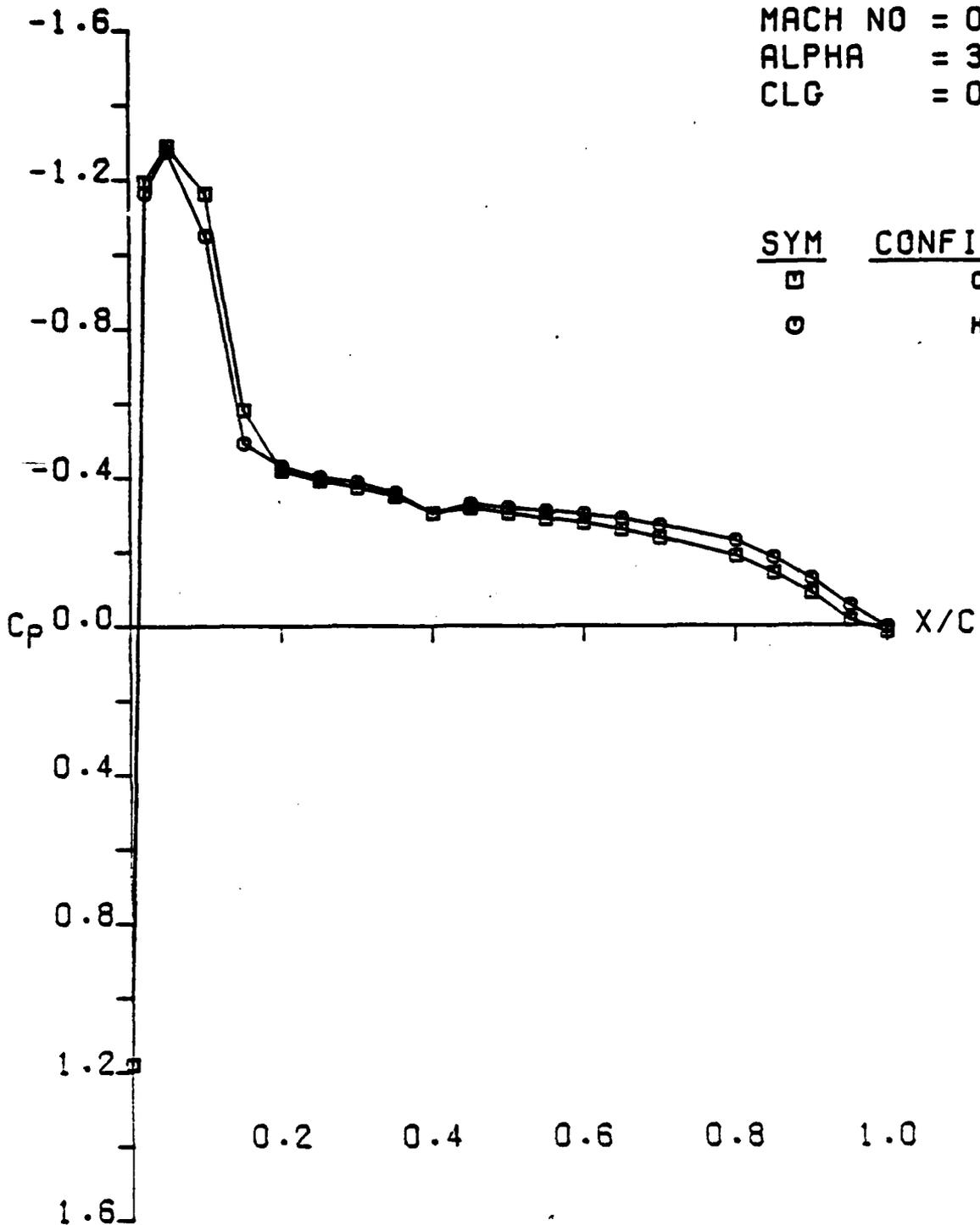
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

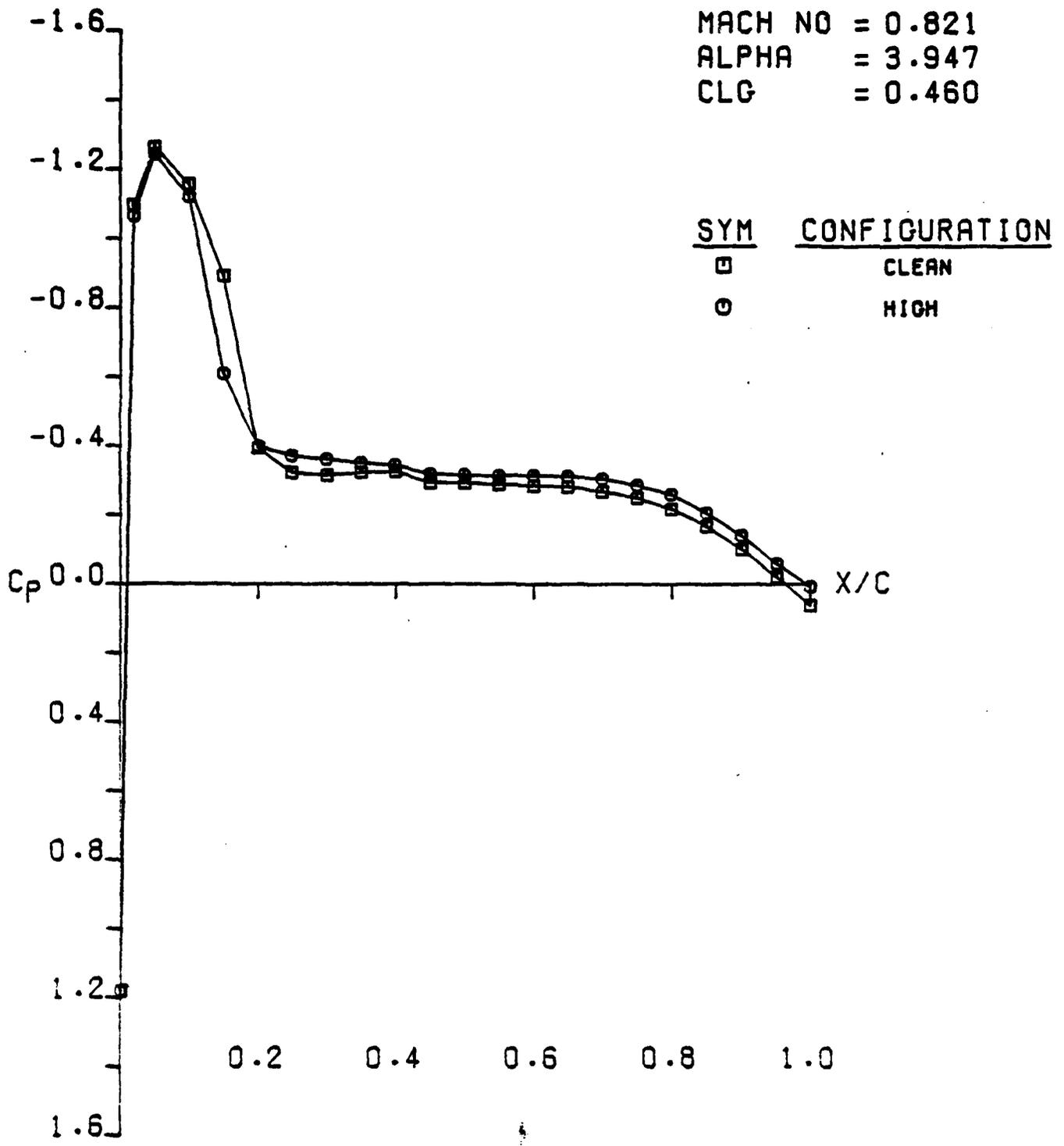
MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B

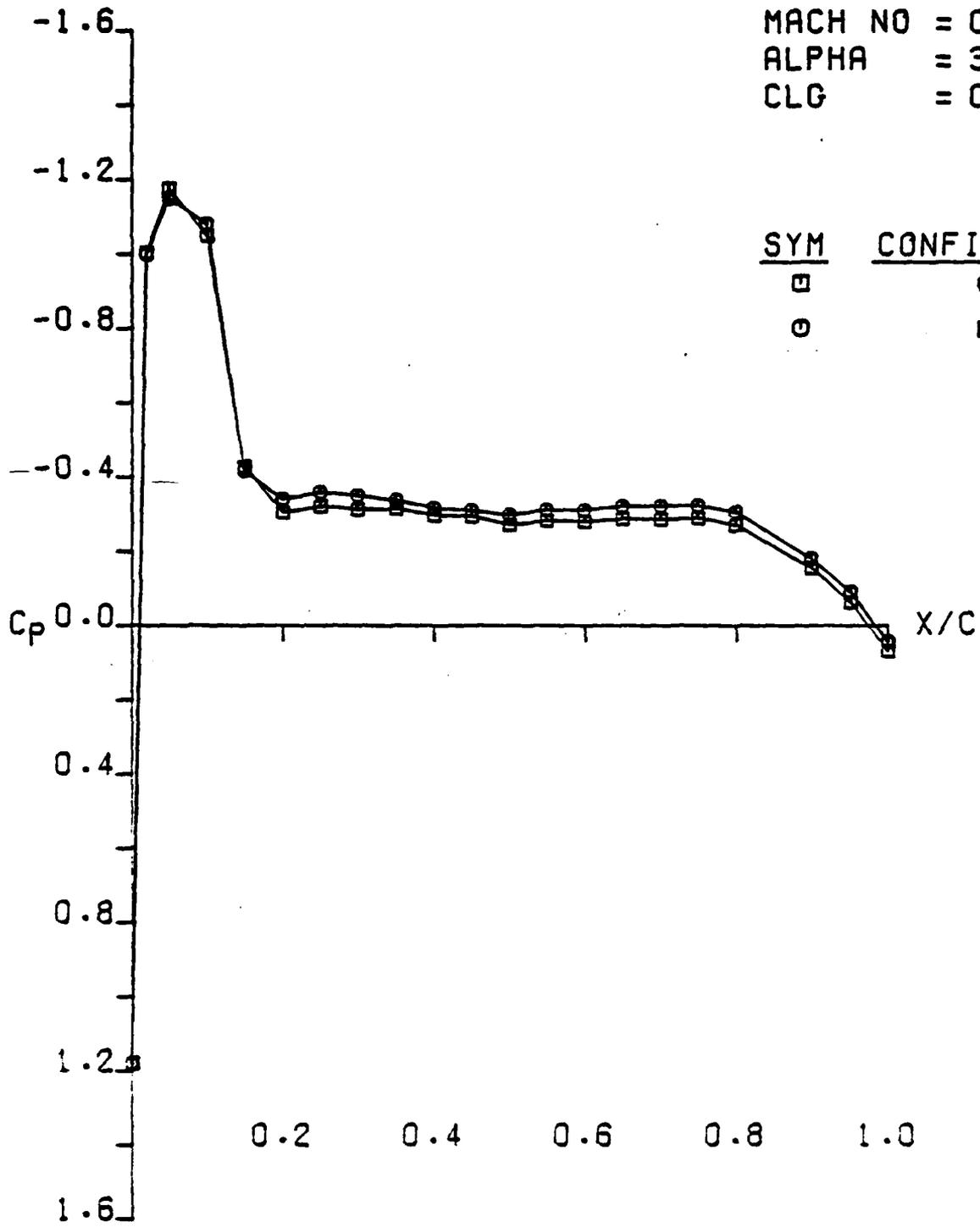
MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

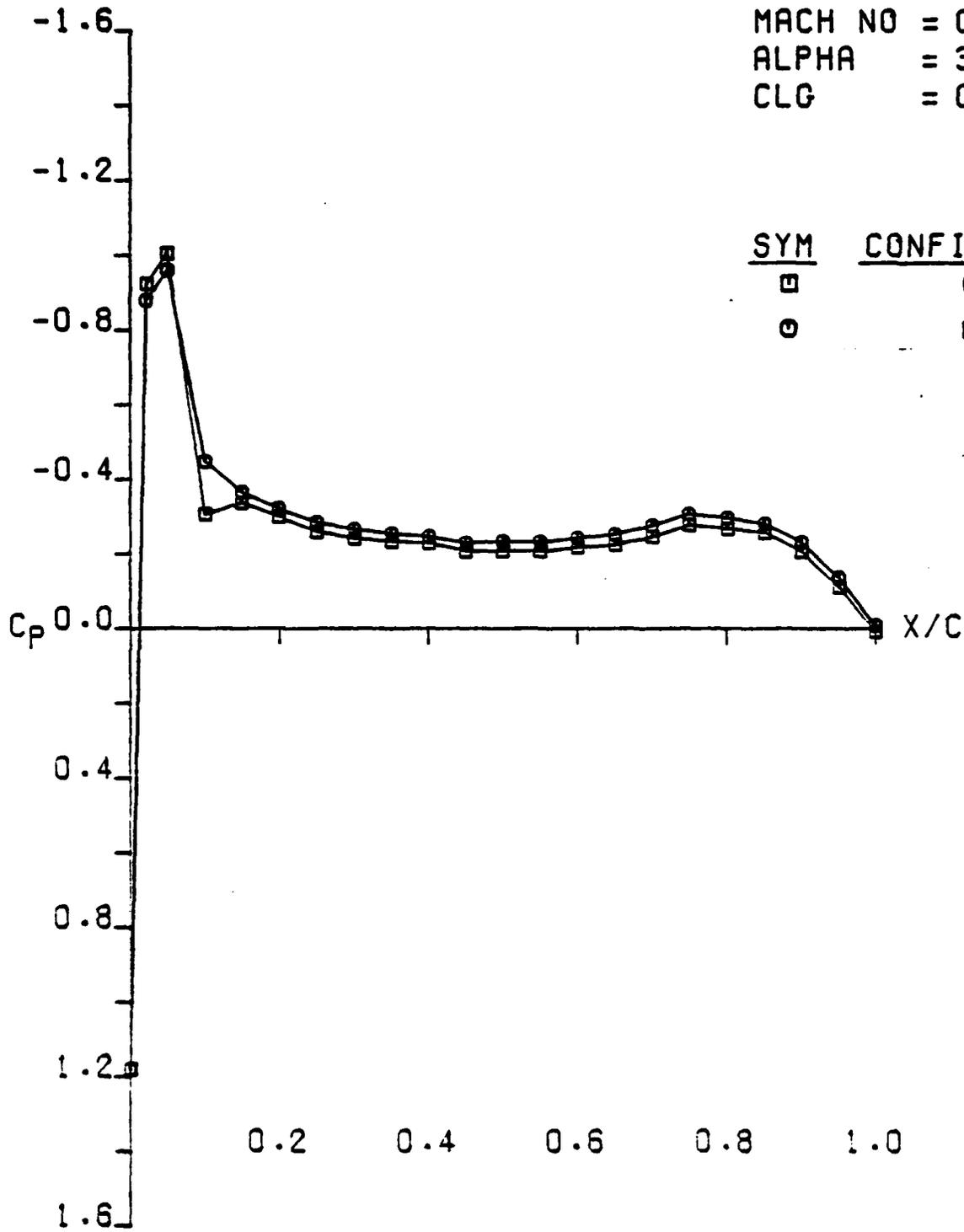
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

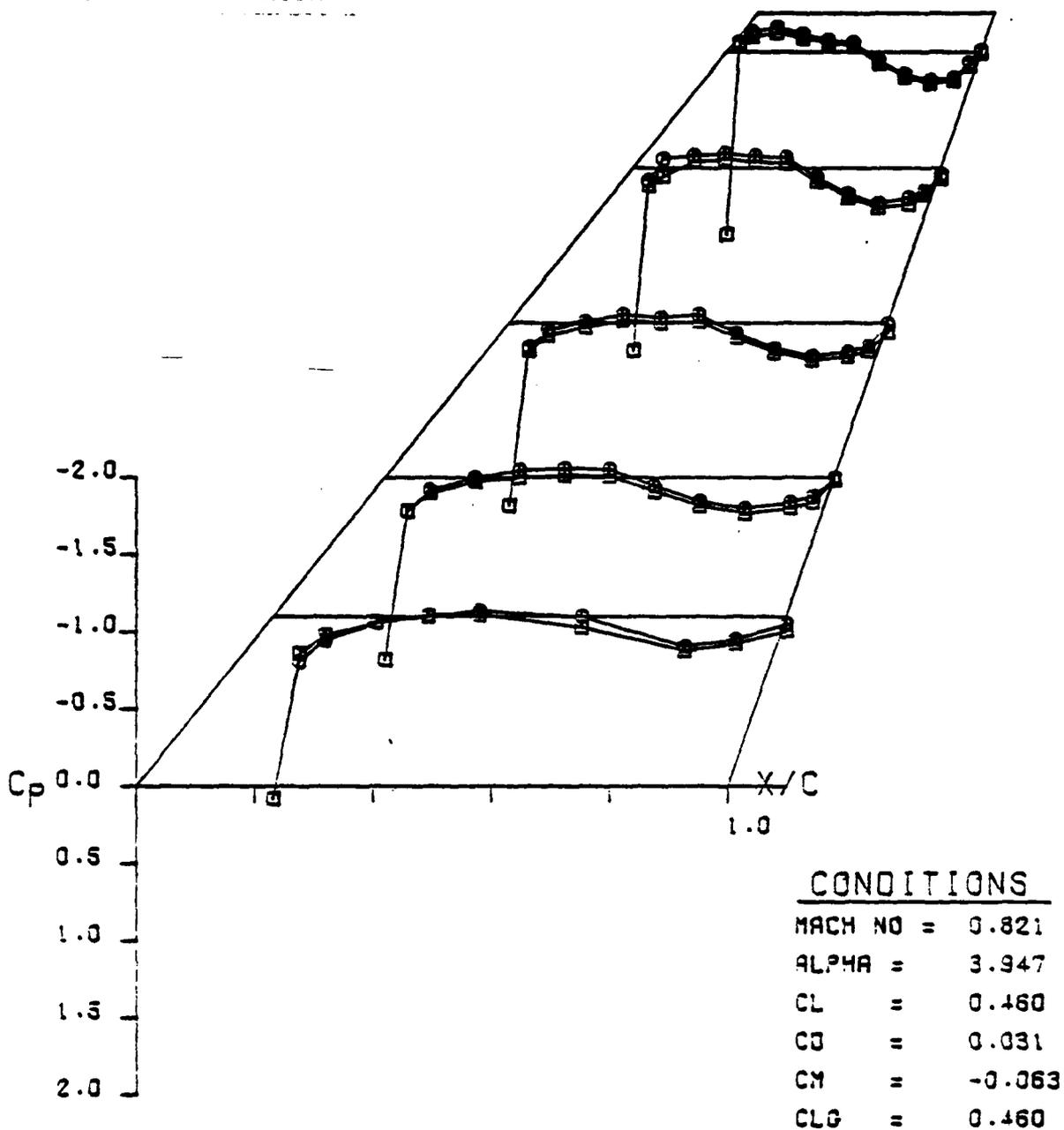


LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

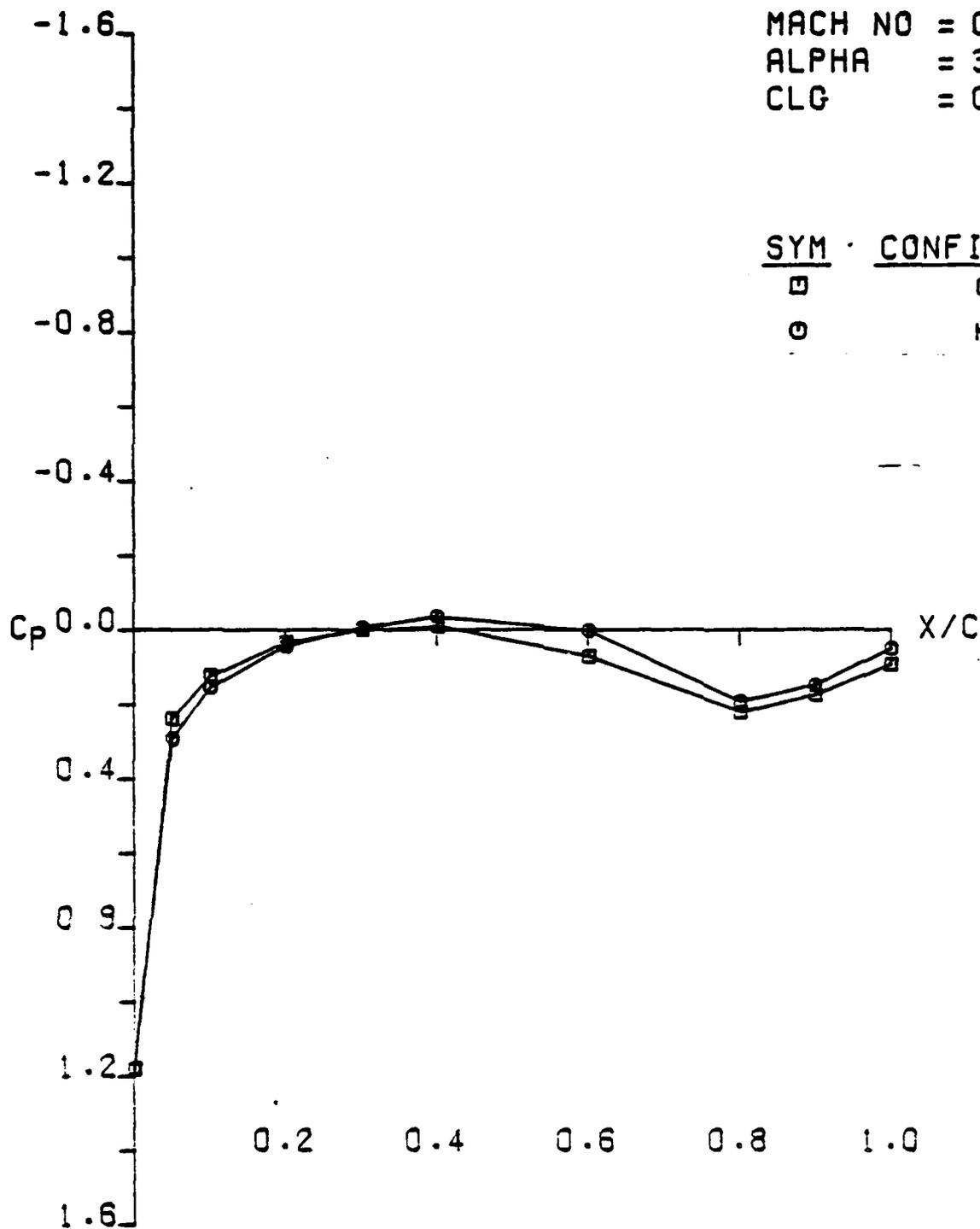
CLEAN
HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (LWR SURF)
 AFJSR SEMISPAN MODEL B

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

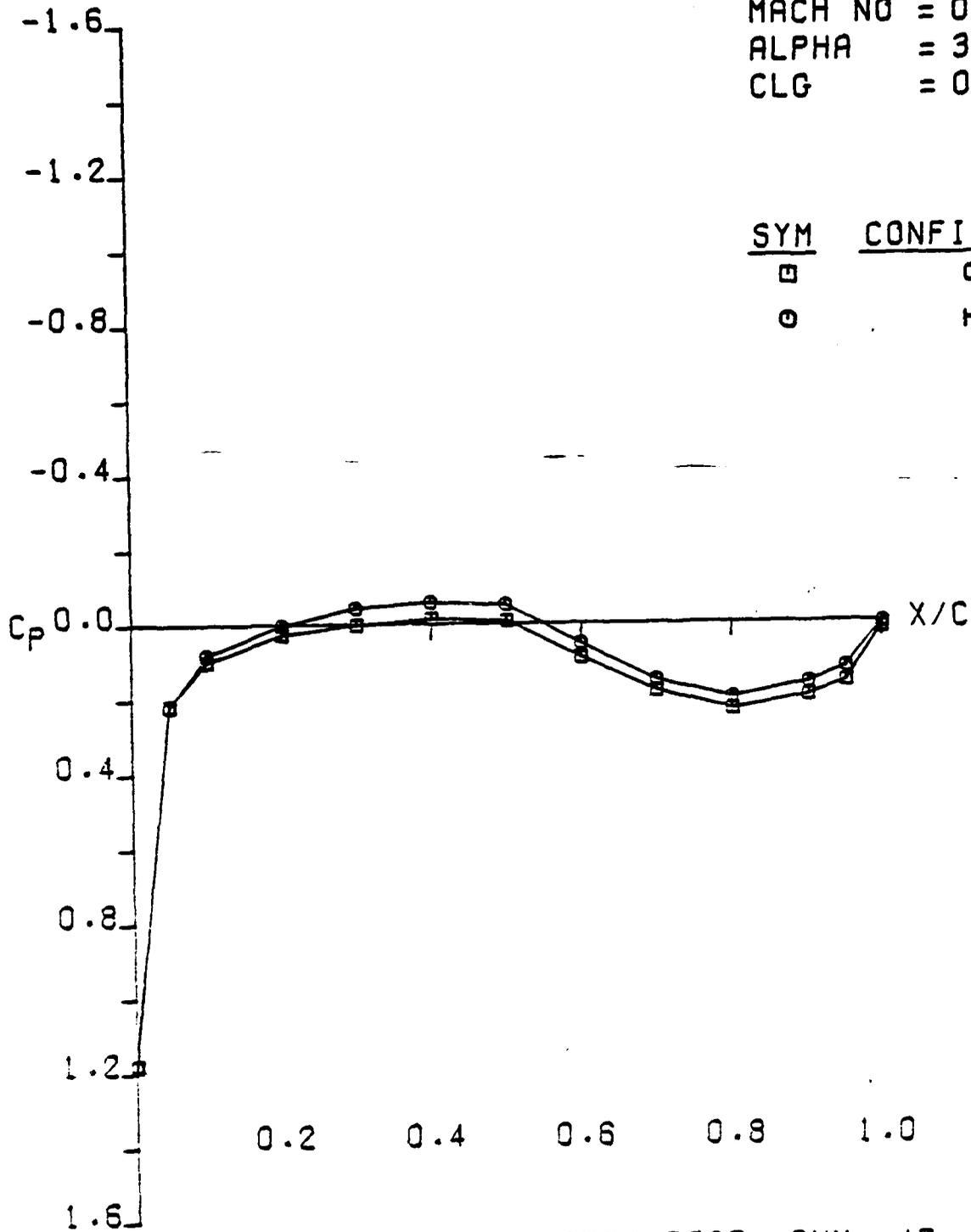
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.821
ALPHA = 3.947
CLG = 0.460

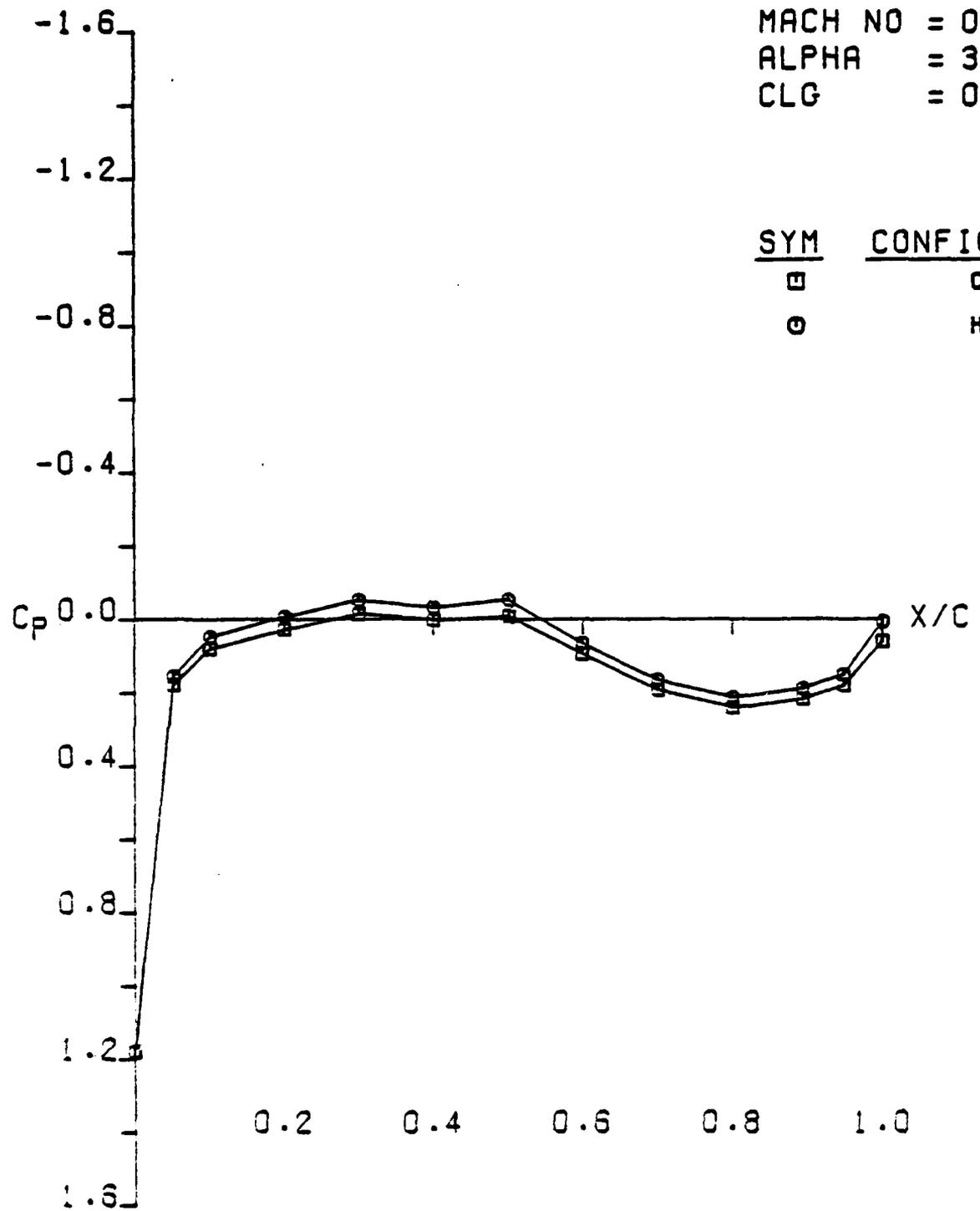
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS HIGH (LWR SURF ETA.4)
AFOSR SEMISPAN MODEL B

MACH NO = 0.821
ALPHA = 3.947
CLG = 0.460

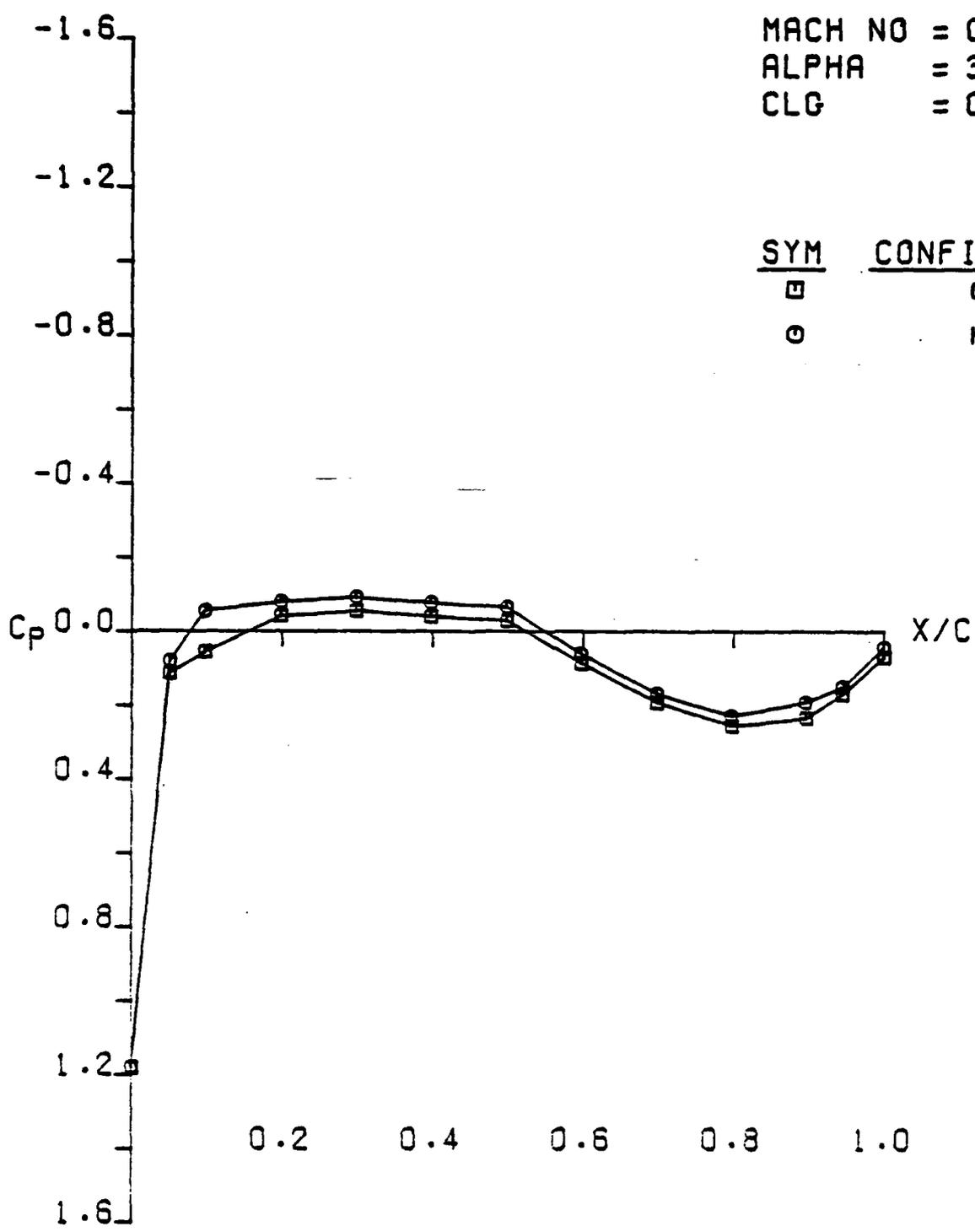
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS HIGH (LWR SURF ETA.60)
AFOSR SEMISPAN MODEL B

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

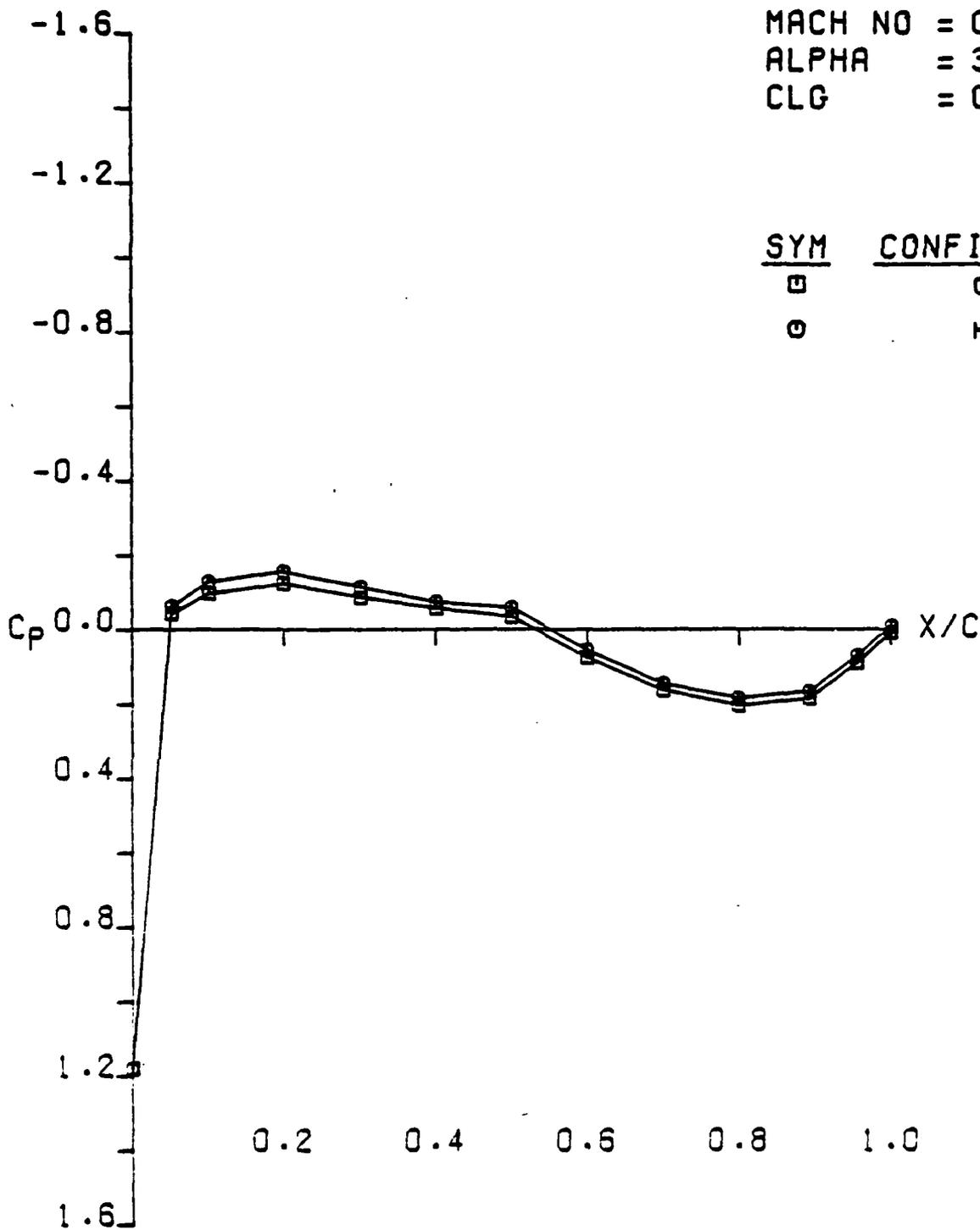
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST. RUN 47
 CLN VS HIGH (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

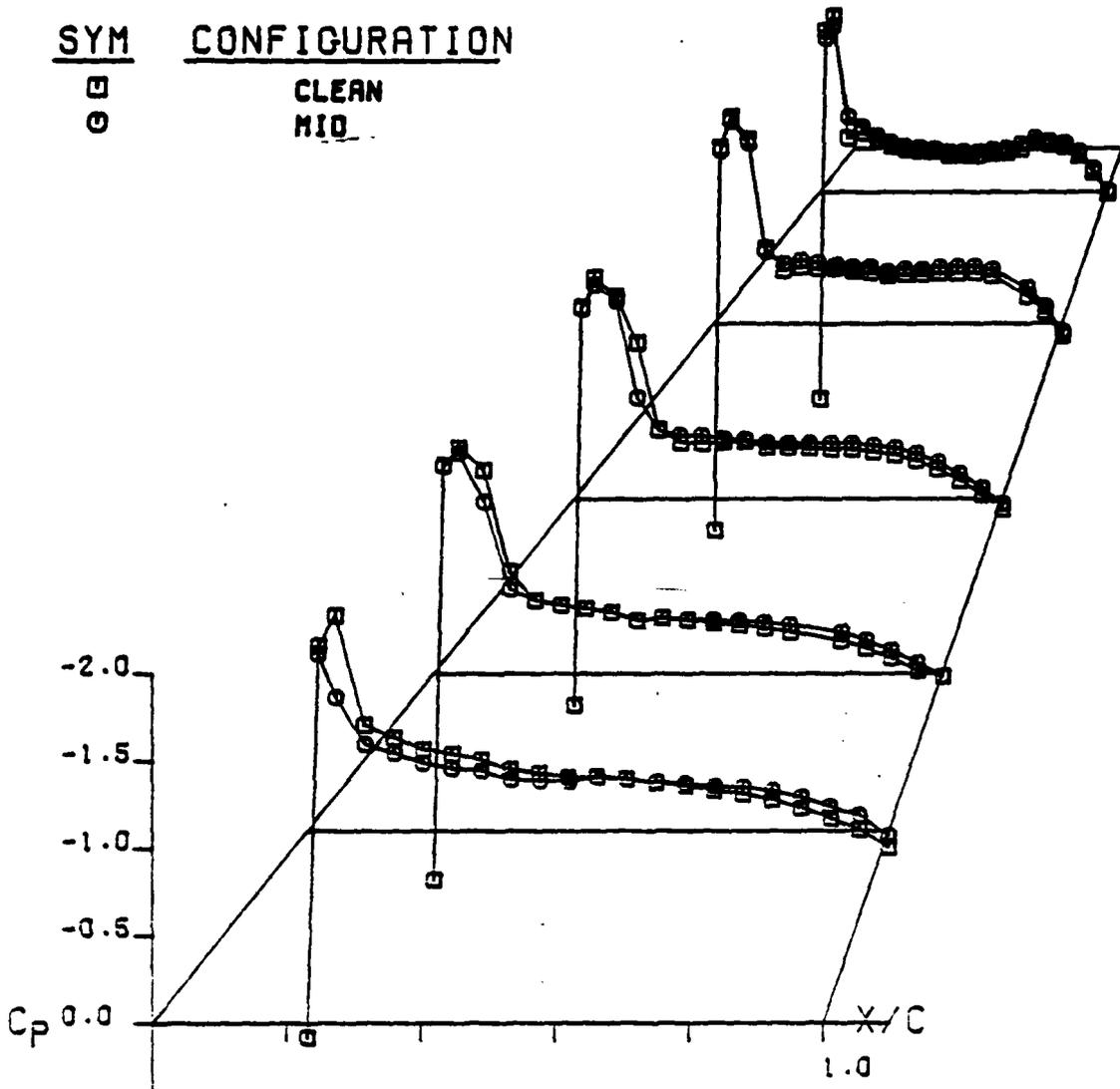
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS HIGH (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL 8

SYM CONFIGURATION

□ CLEAN
 ○ MID

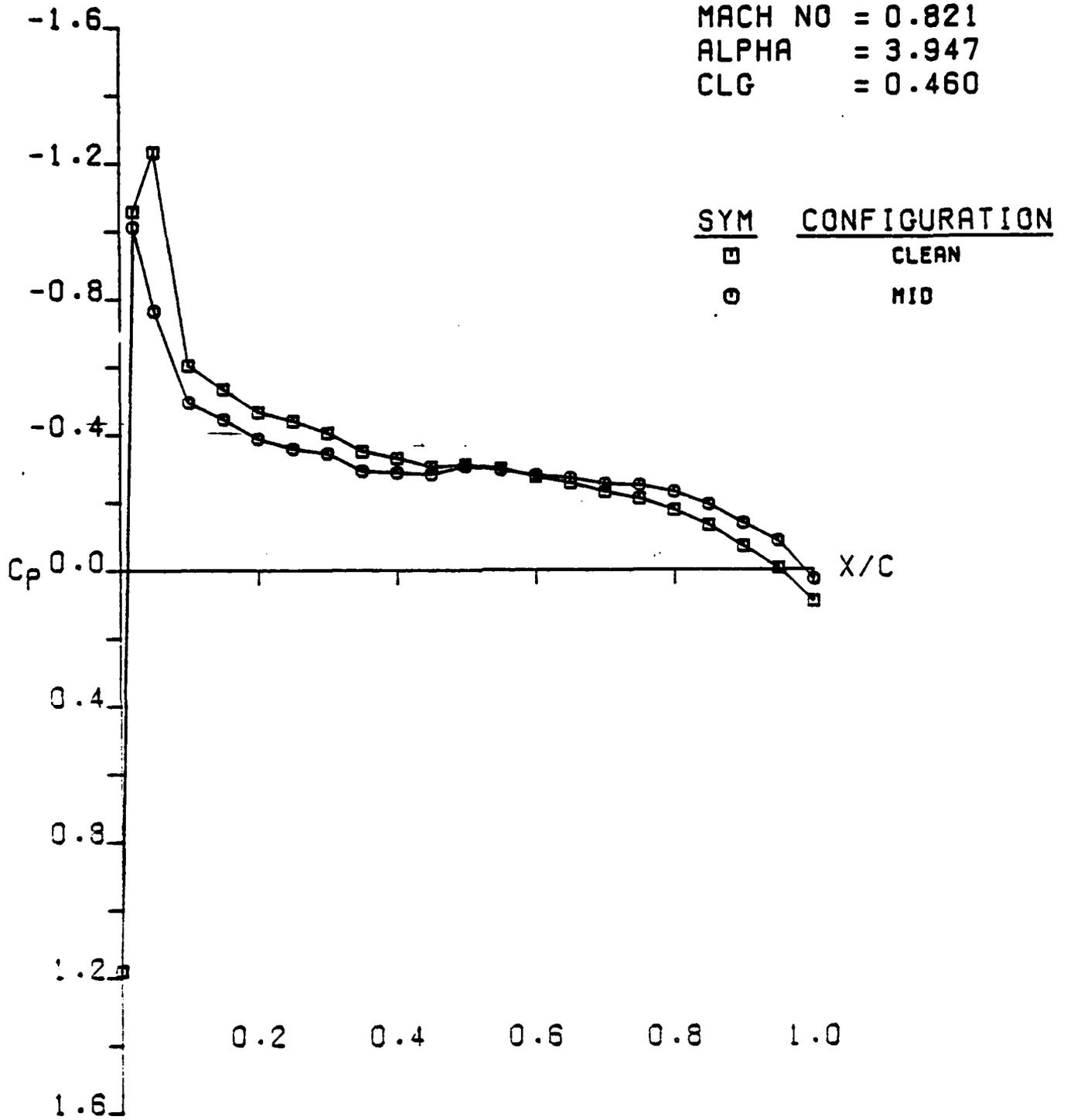


CONDITIONS

MACH NO = 0.321
 ALPHA = 3.347
 CL = 0.460
 CD = 0.031
 CM = -0.063
 CLG = 0.460

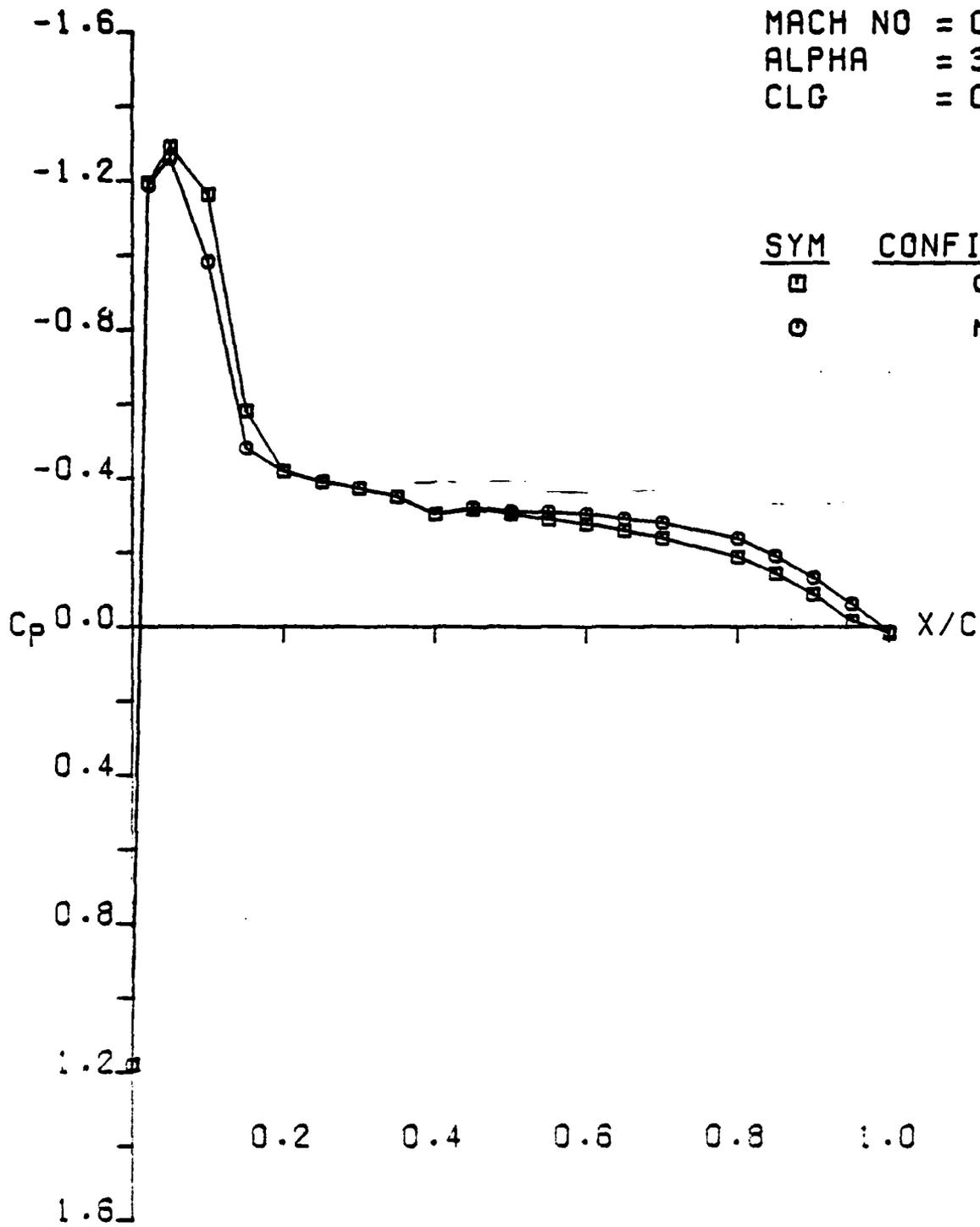
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.821
ALPHA = 3.947
CLG = 0.460



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
CLN VS MID (UPR SURF ETA.216)
AFOSR SEMISPAN MODEL B

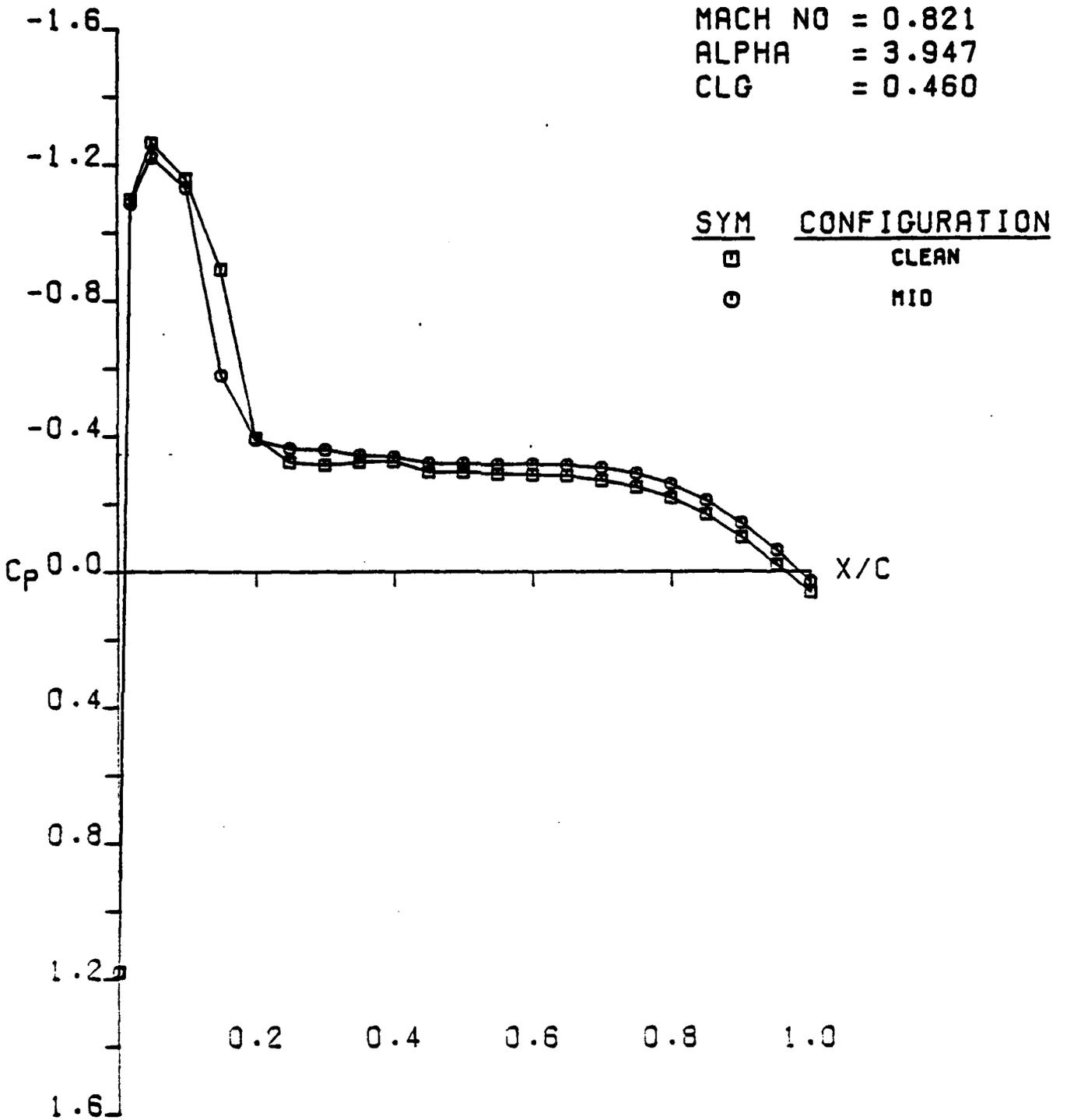
MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460



<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

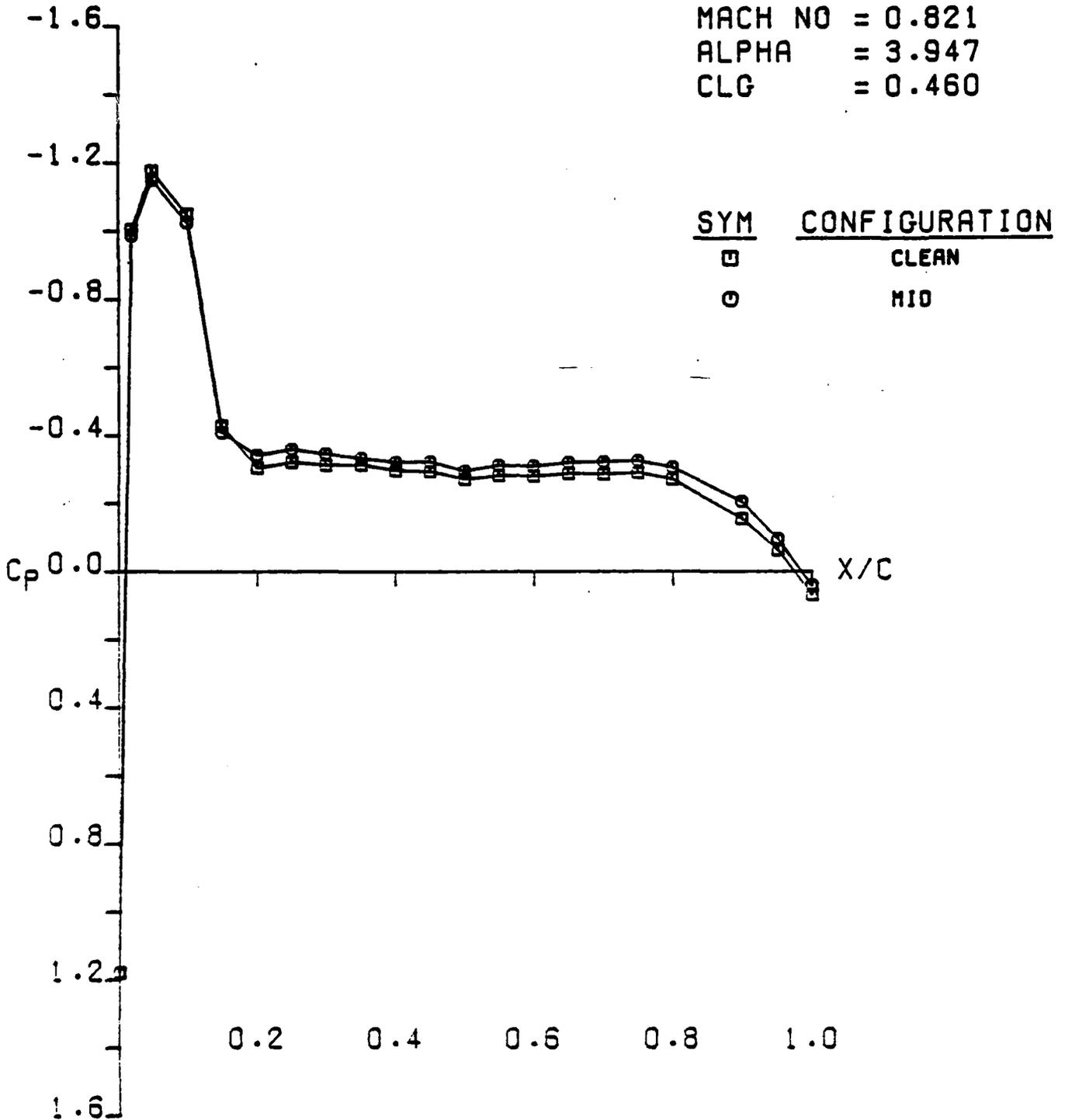
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

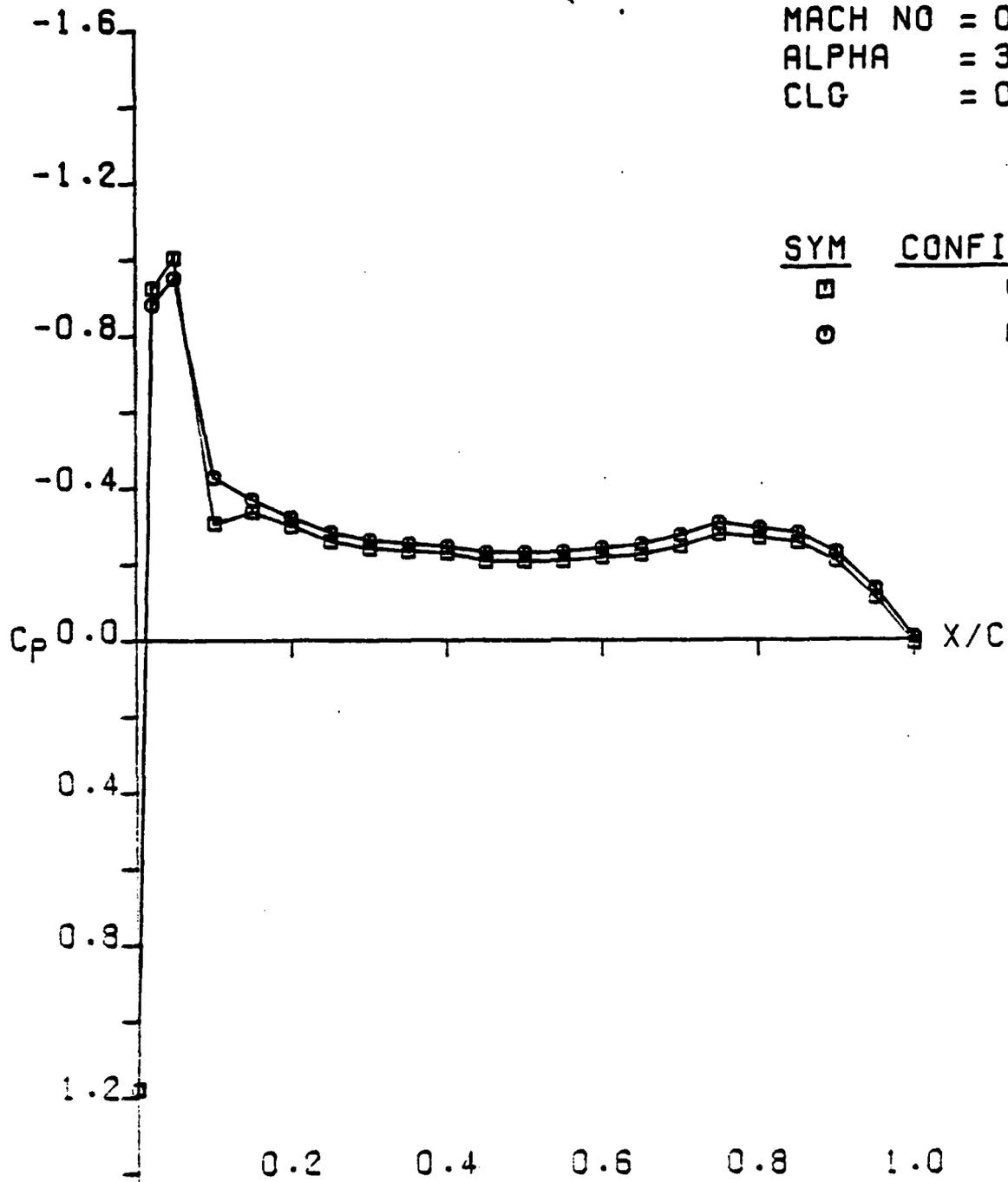


<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

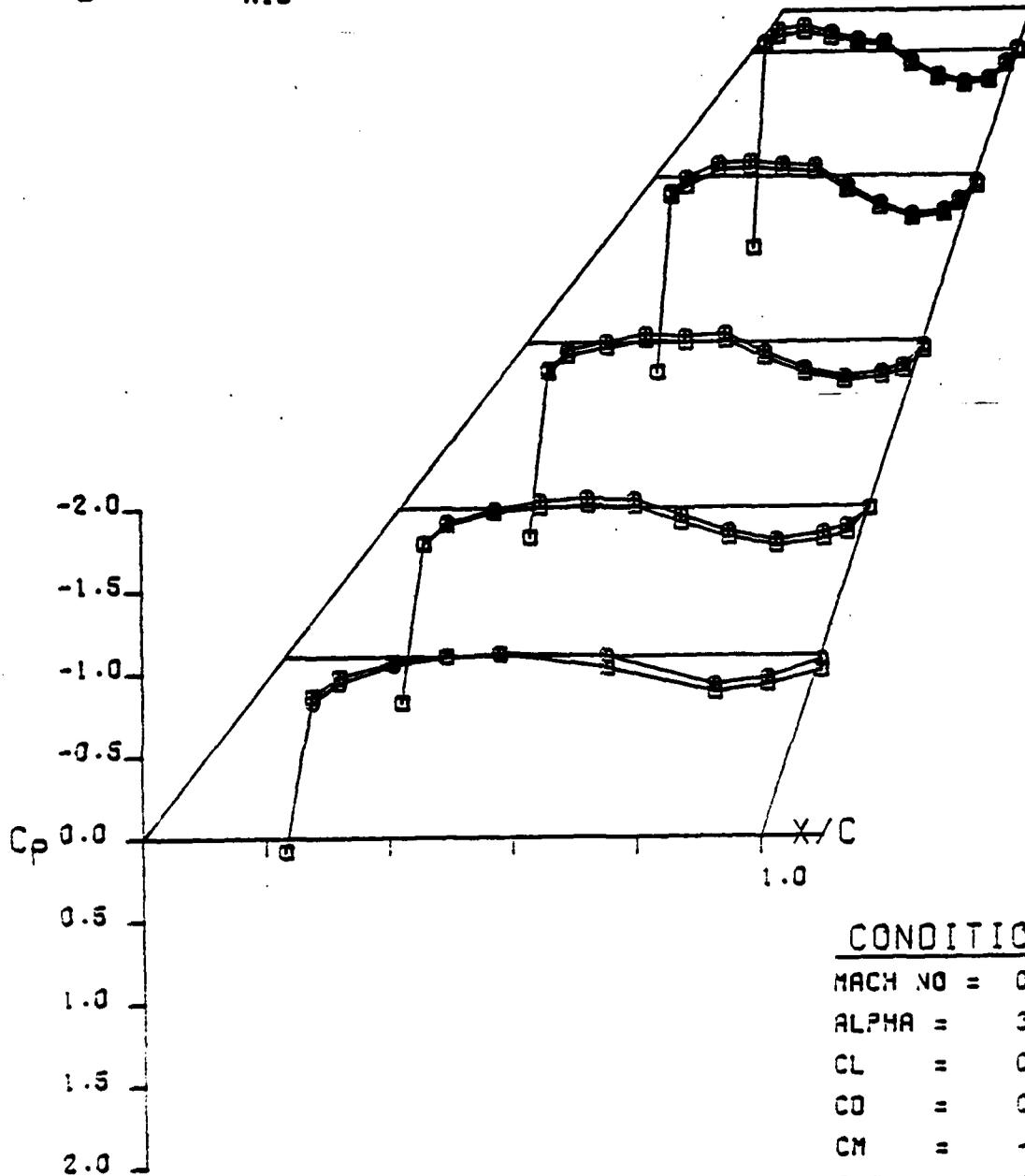
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL 9

SYM CONFIGURATION

□ CLEAN
 ○ MID



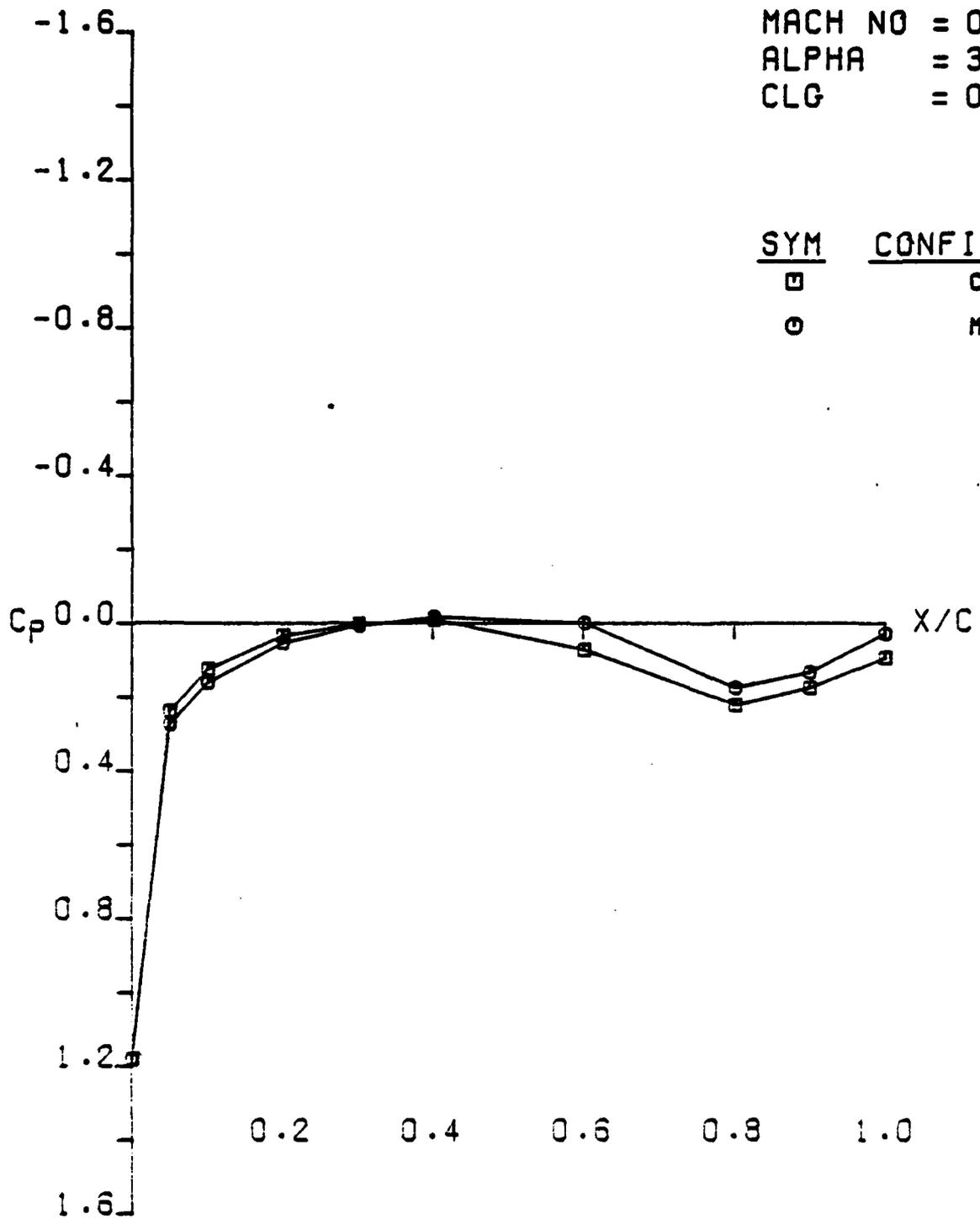
CONDITIONS

MACH NO = 0.821
 ALPHA = 3.947
 CL = 0.460
 CD = 0.031
 CM = -0.063
 CLG = 0.460

LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (LWR SURF)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

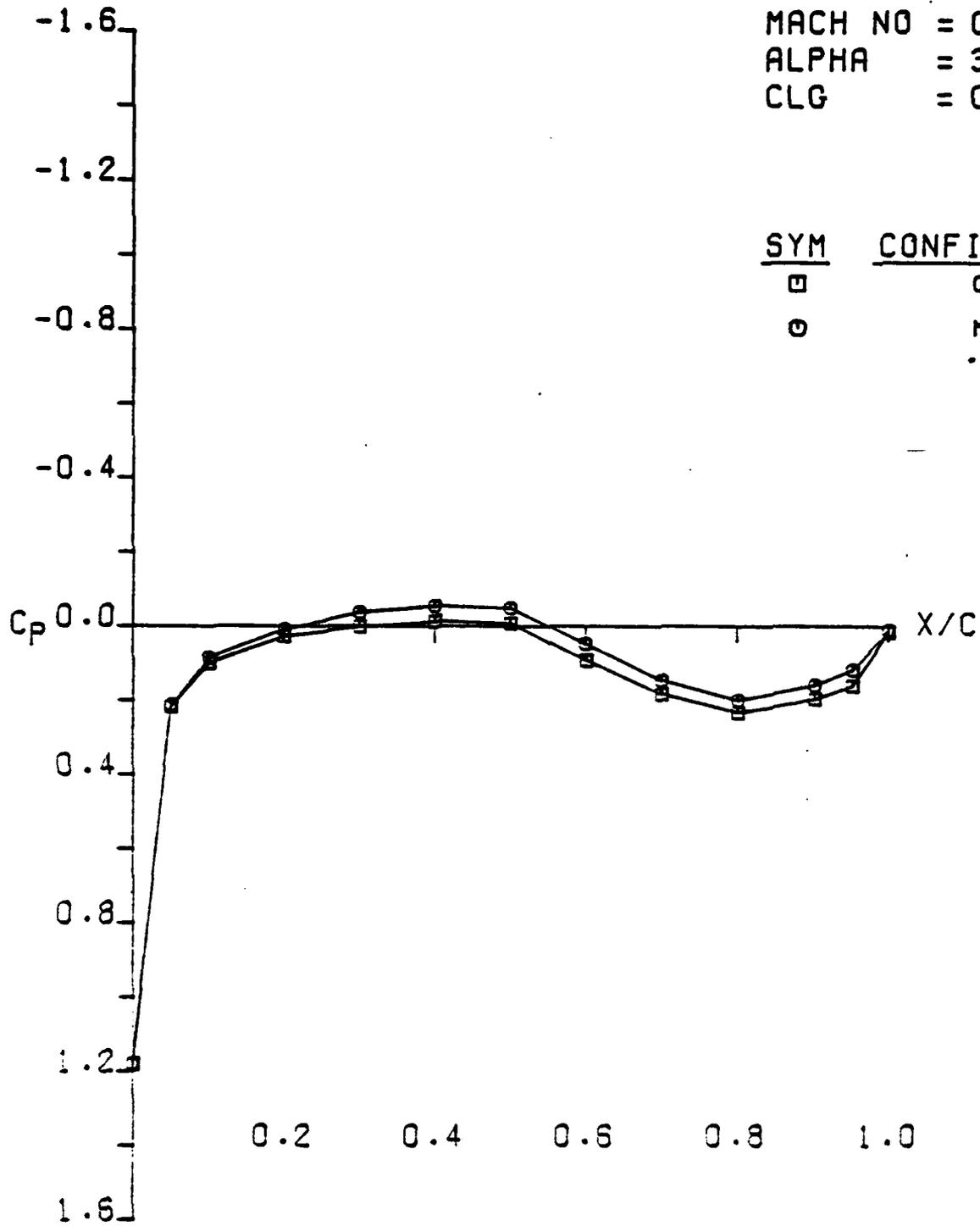
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



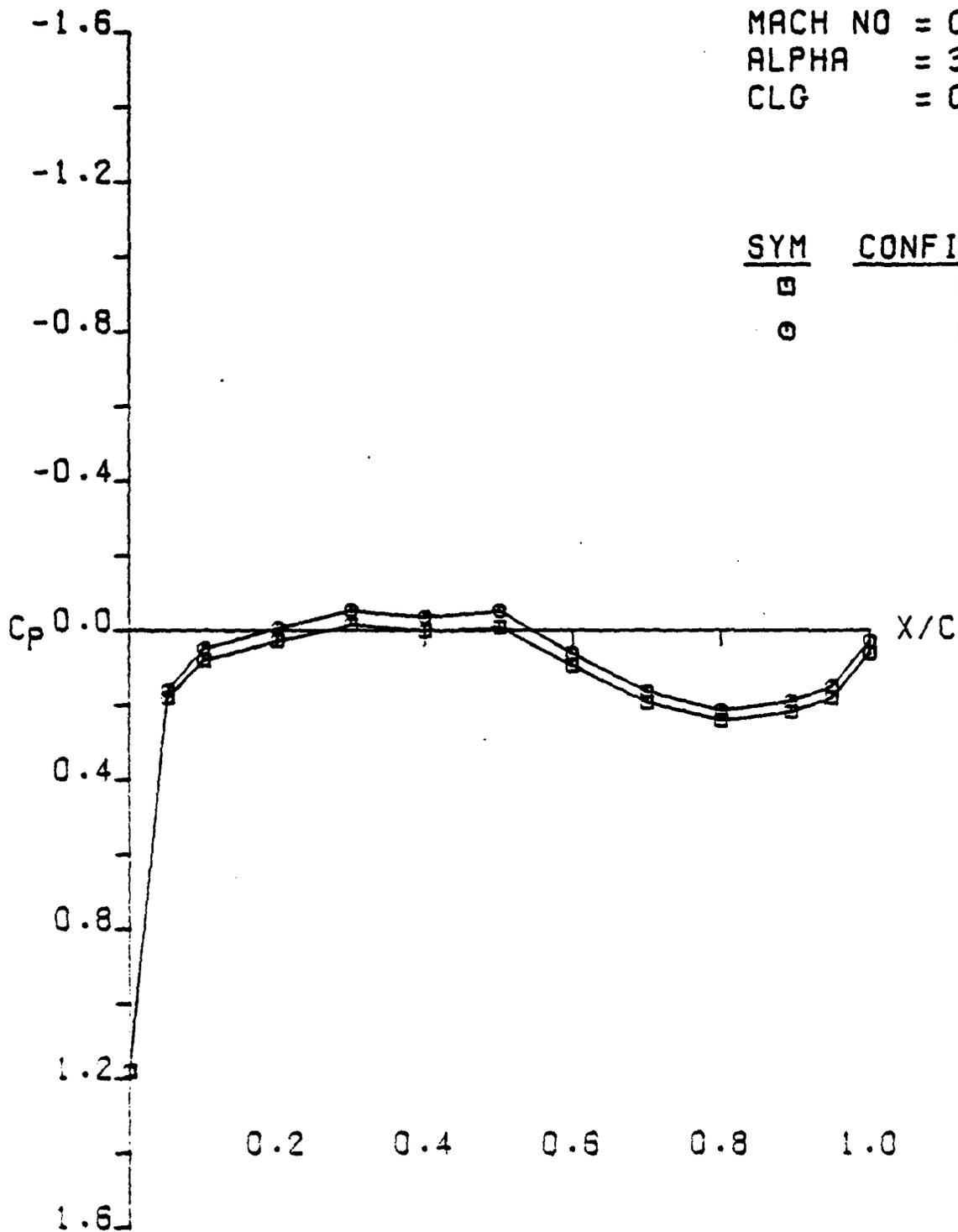
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (LWR SURF ETA.216)
 AF3SR SEMISPAN MODEL 8

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

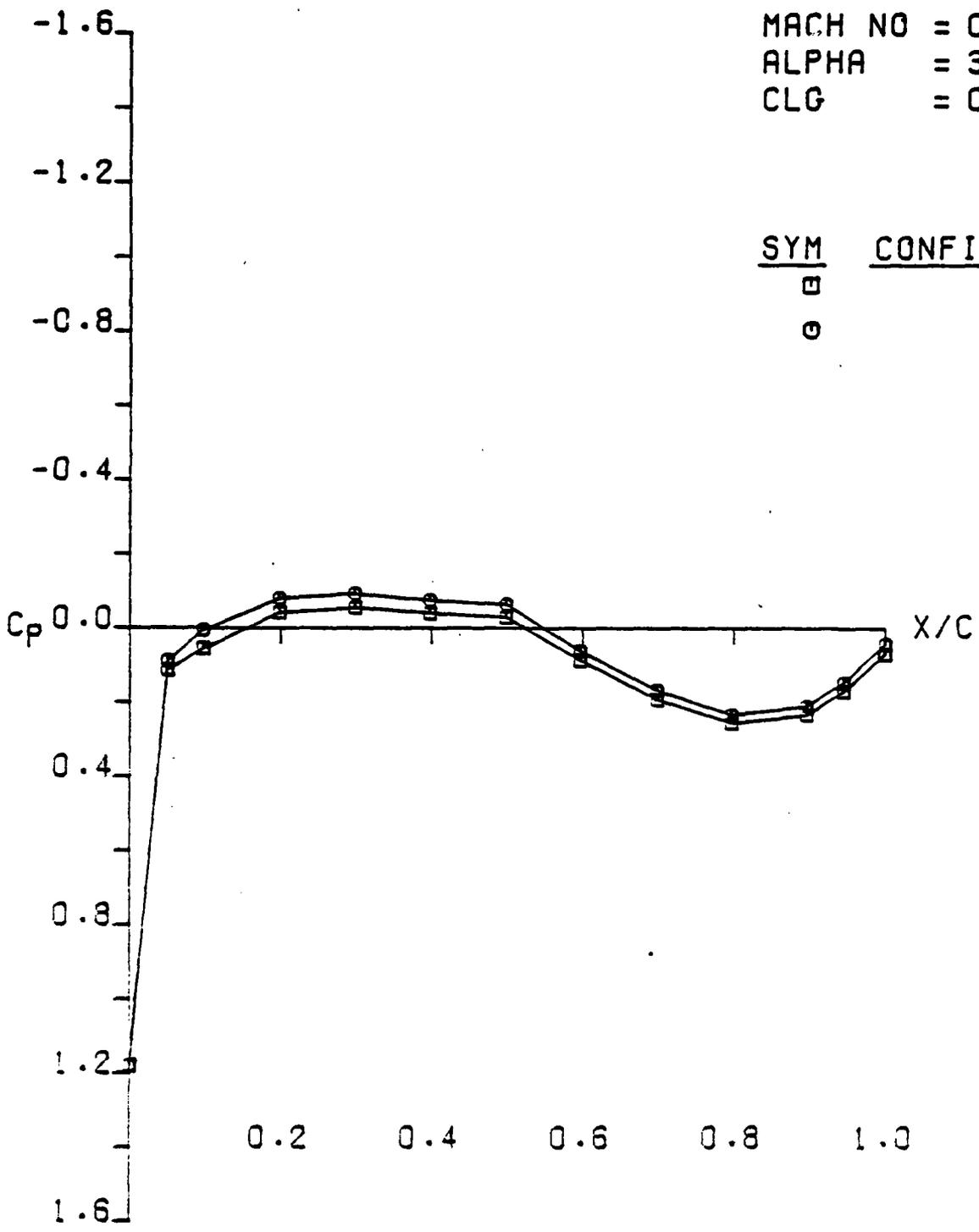
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B



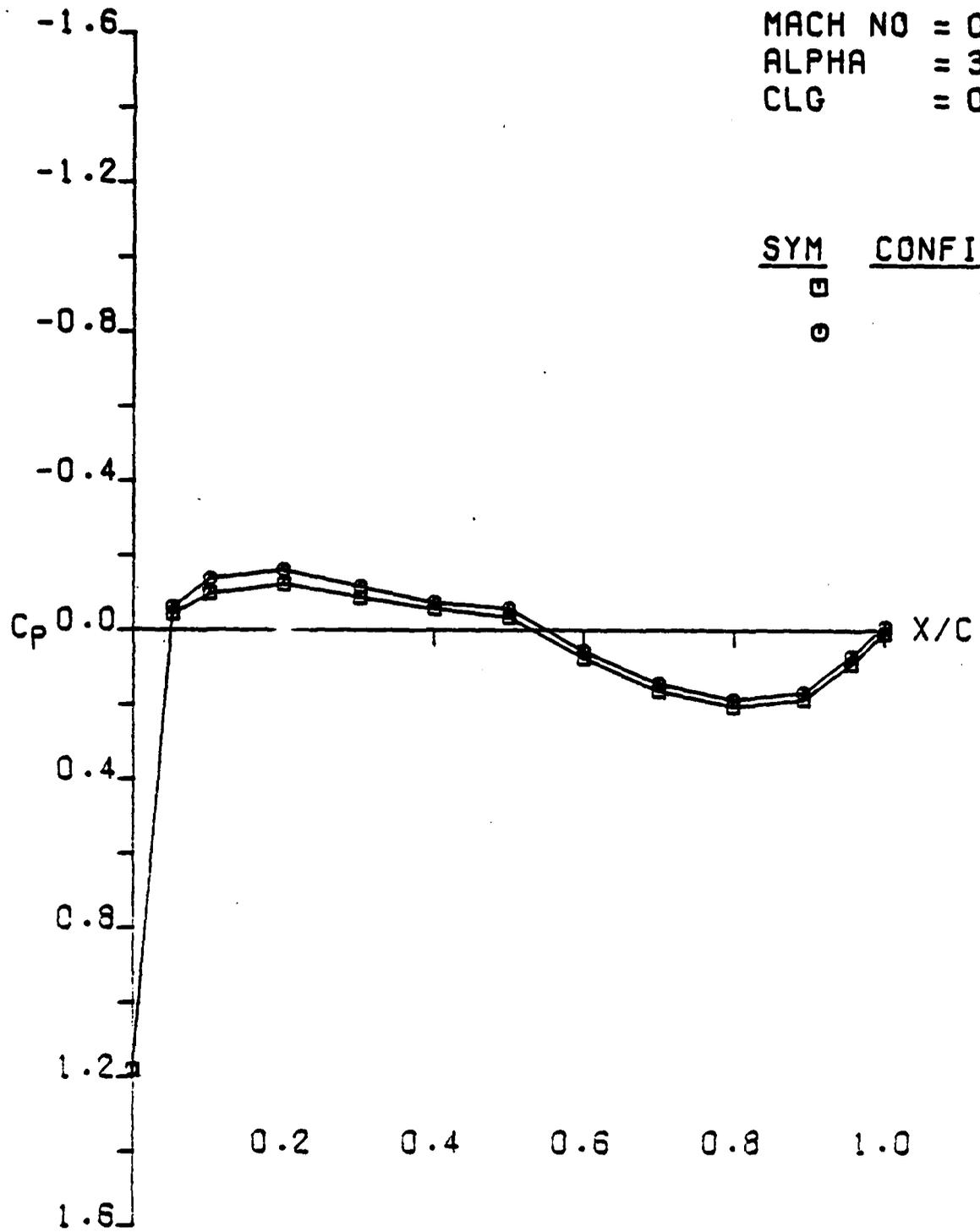
MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

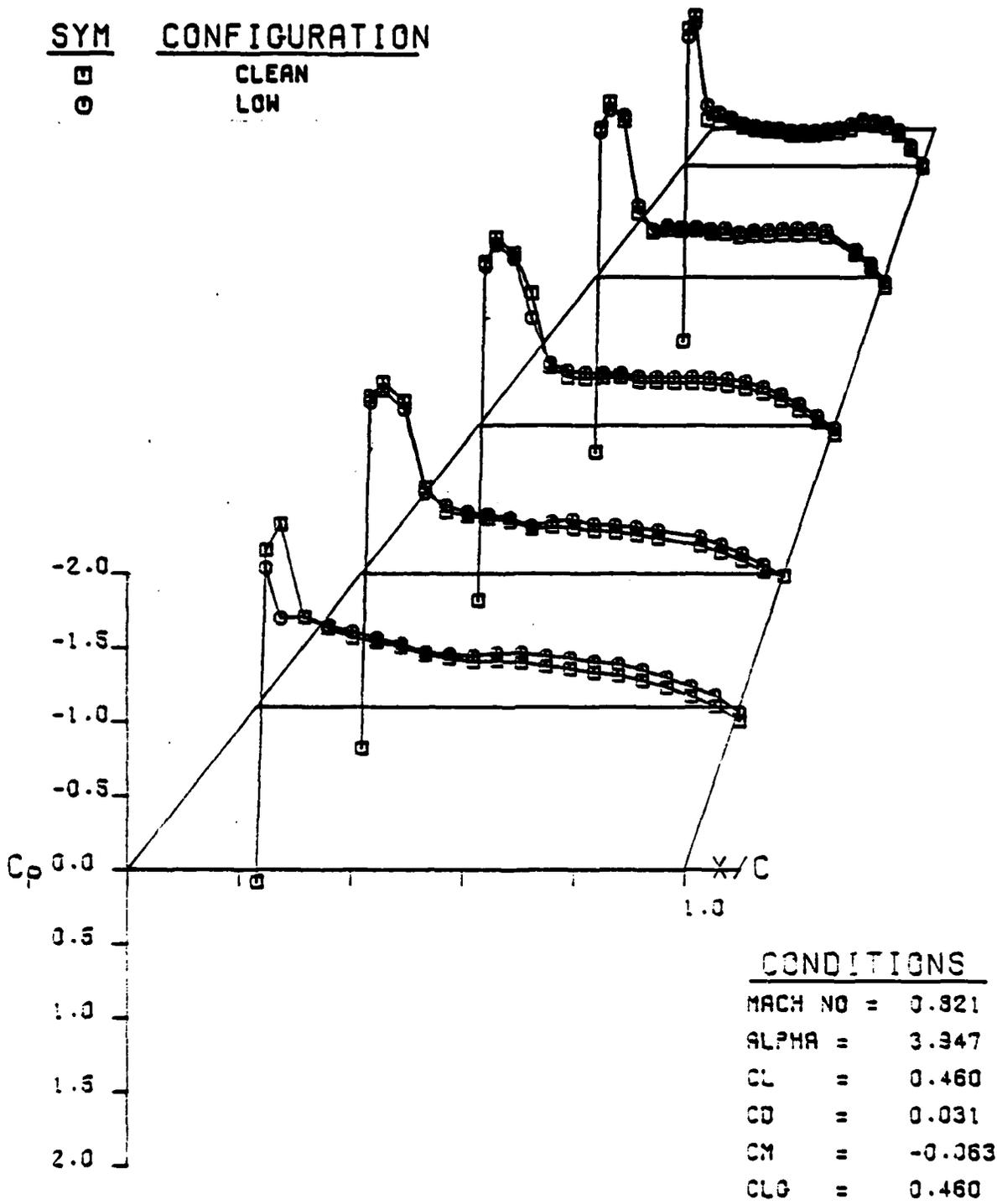
LOCKHEED CFWT SEMI-SPAN TEST. RUN 47
 CLN VS MID (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

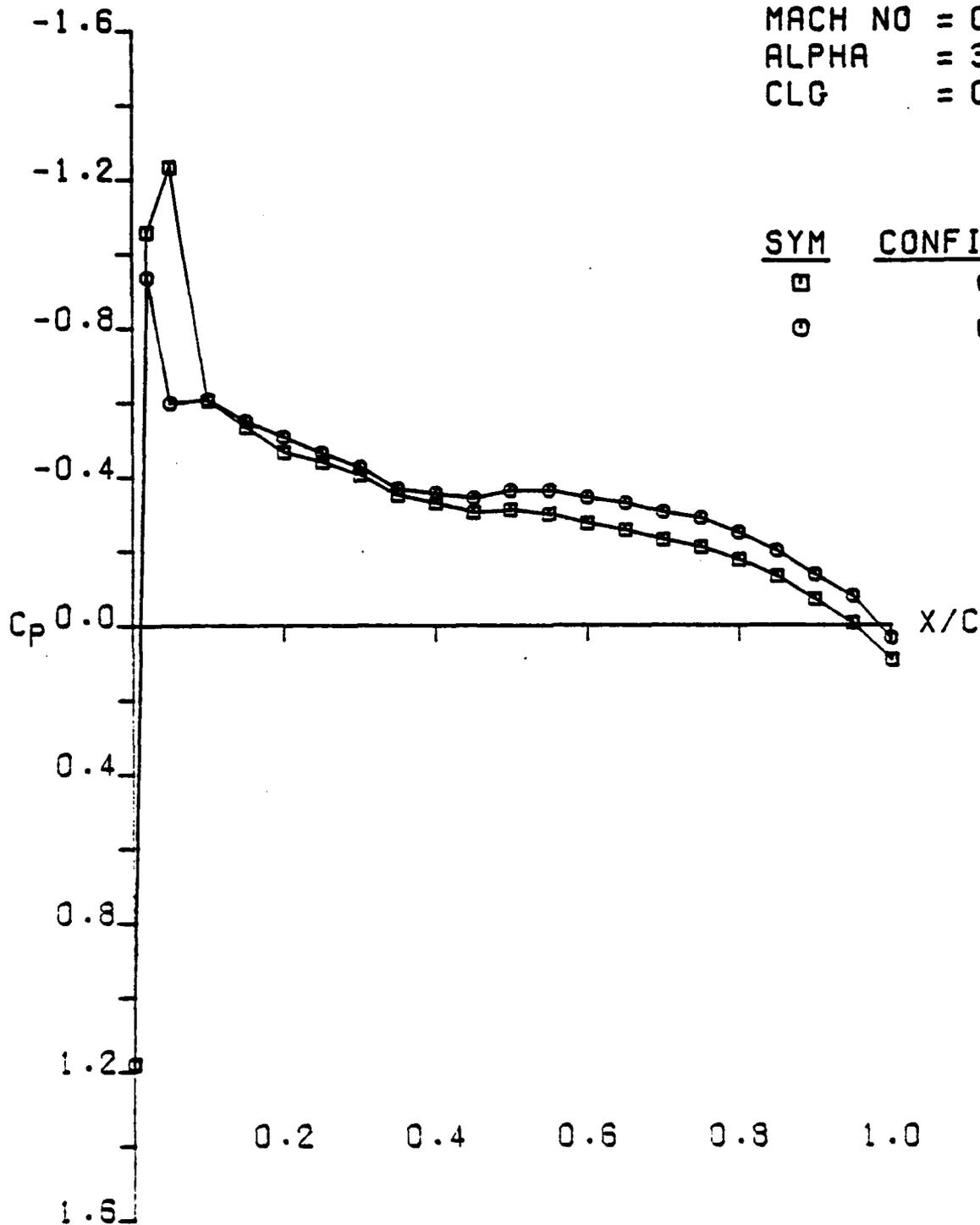
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS MID (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B



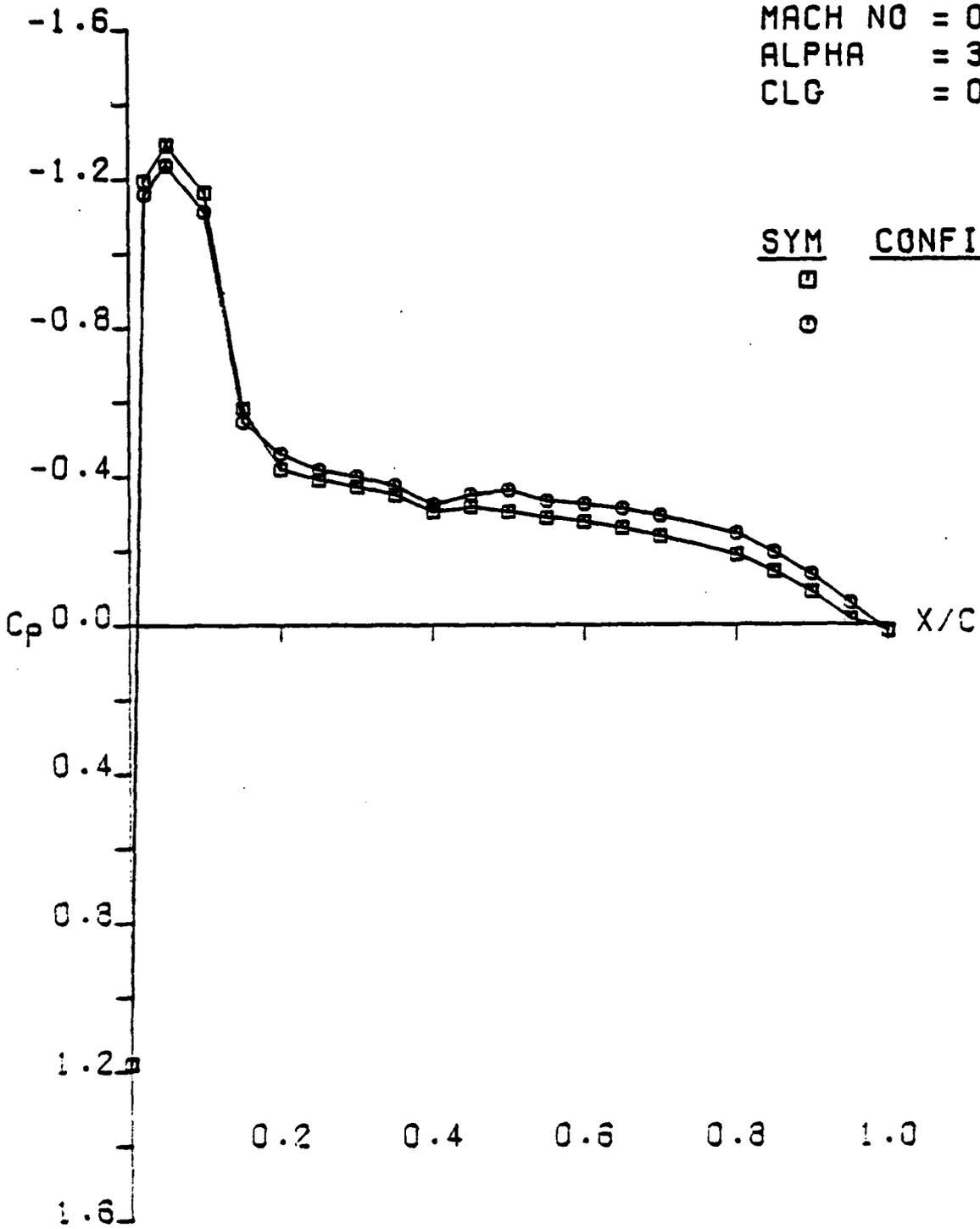
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (UPR SURF)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

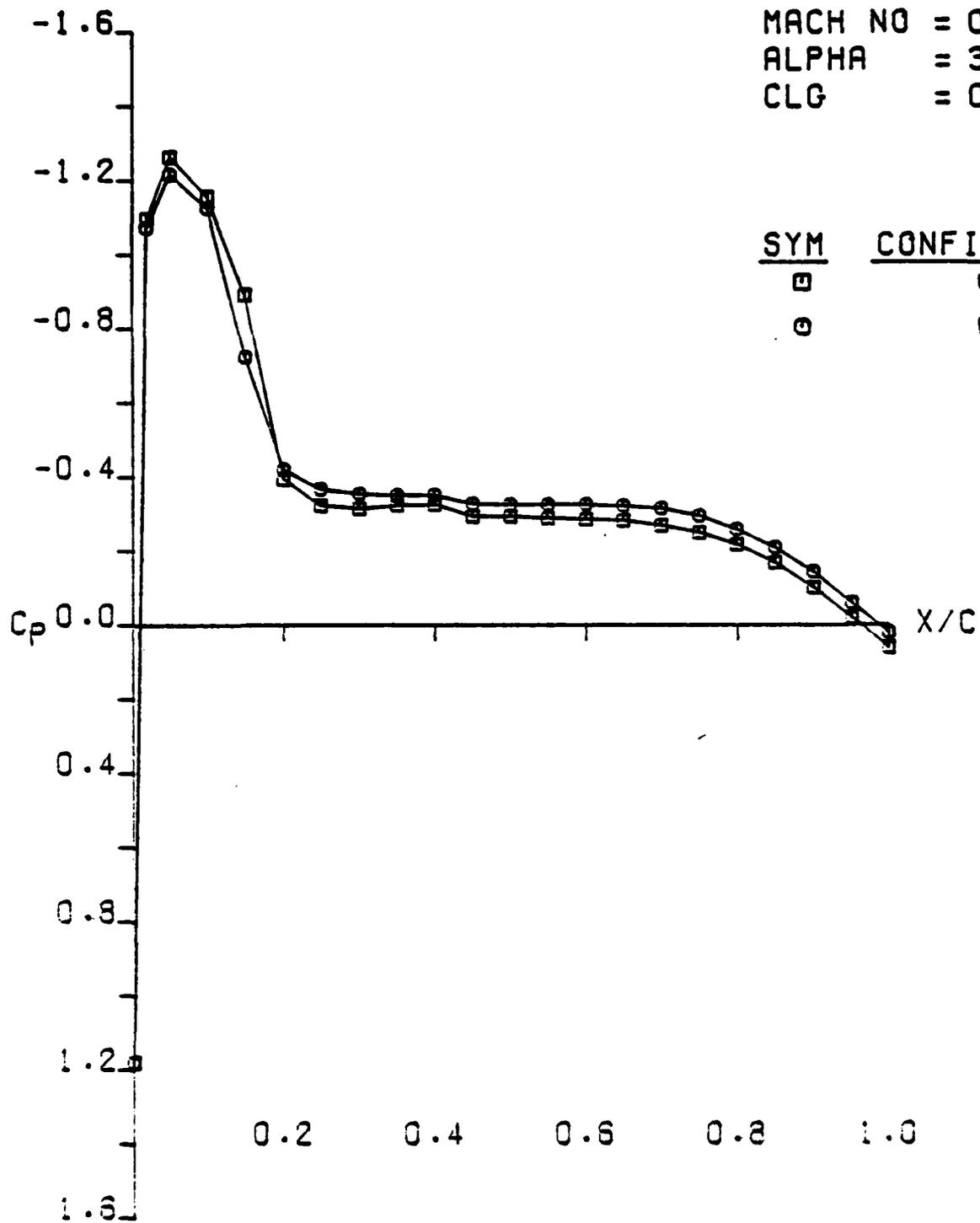
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

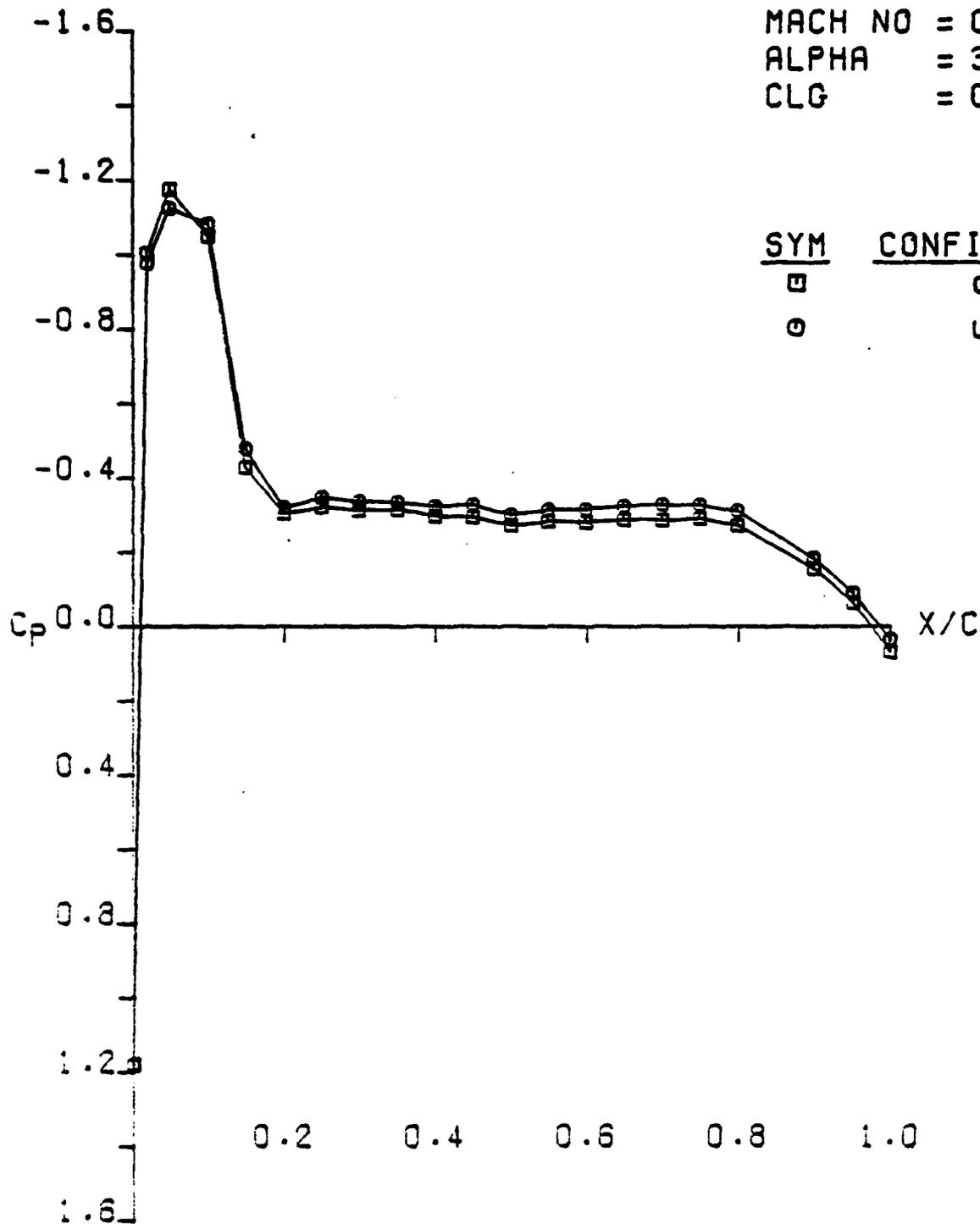
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B



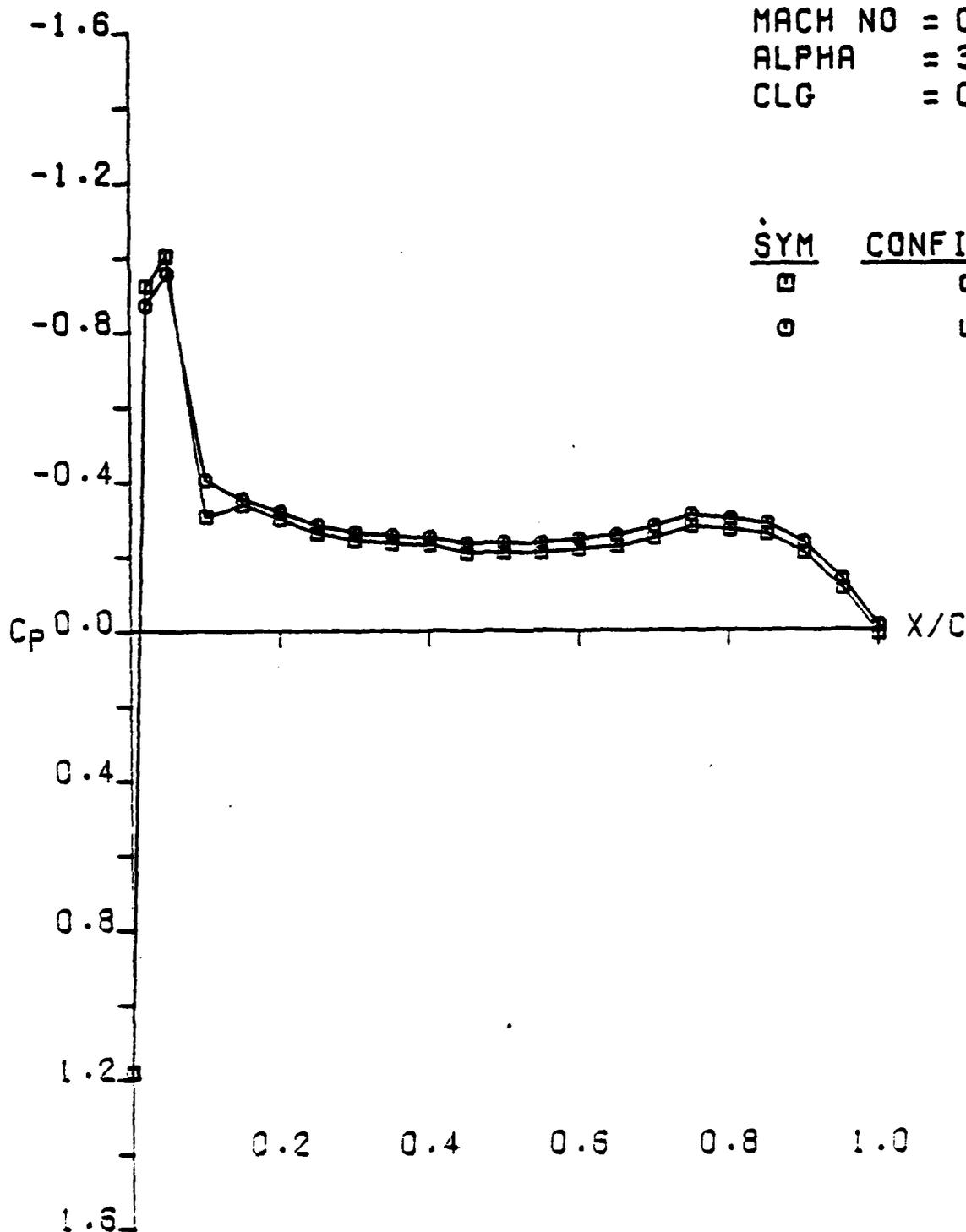
MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST. RUN 47
 CLN VS LOW (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B



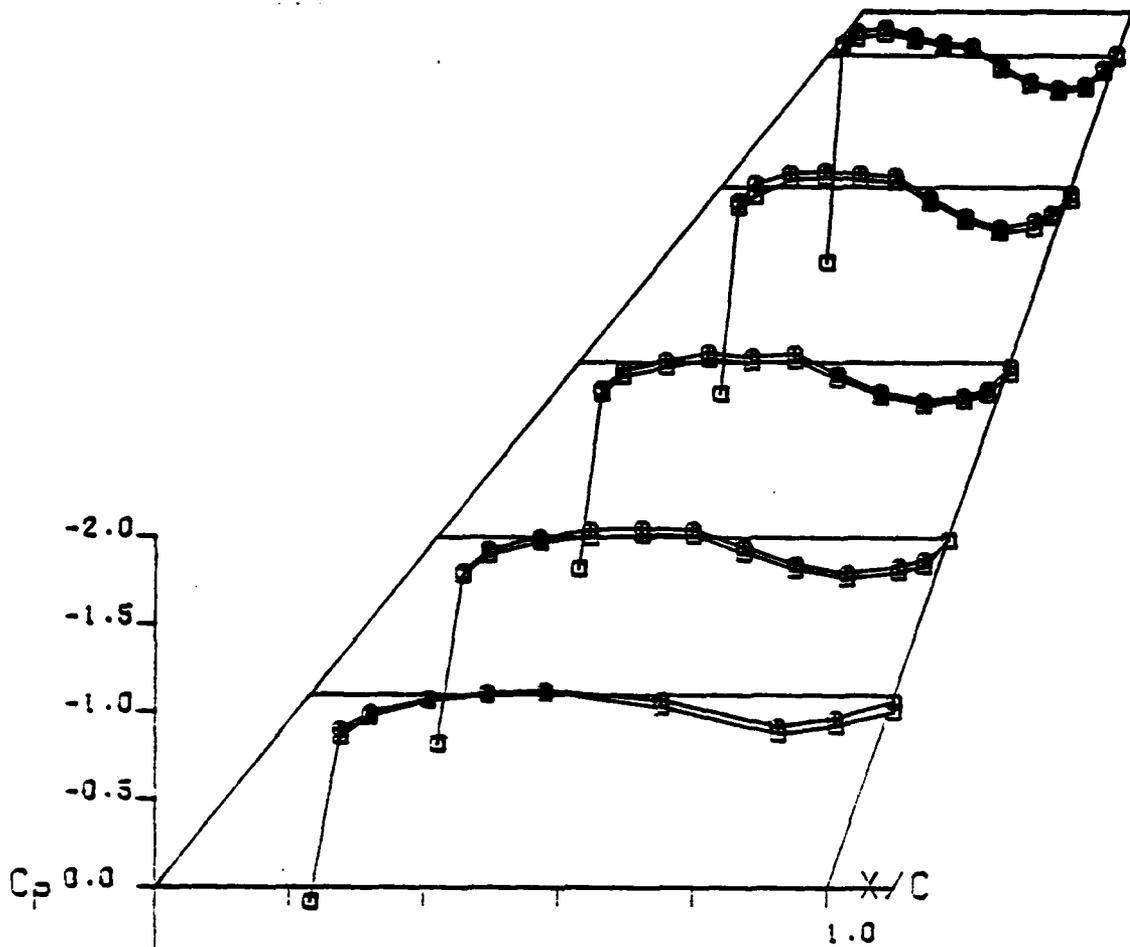
MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

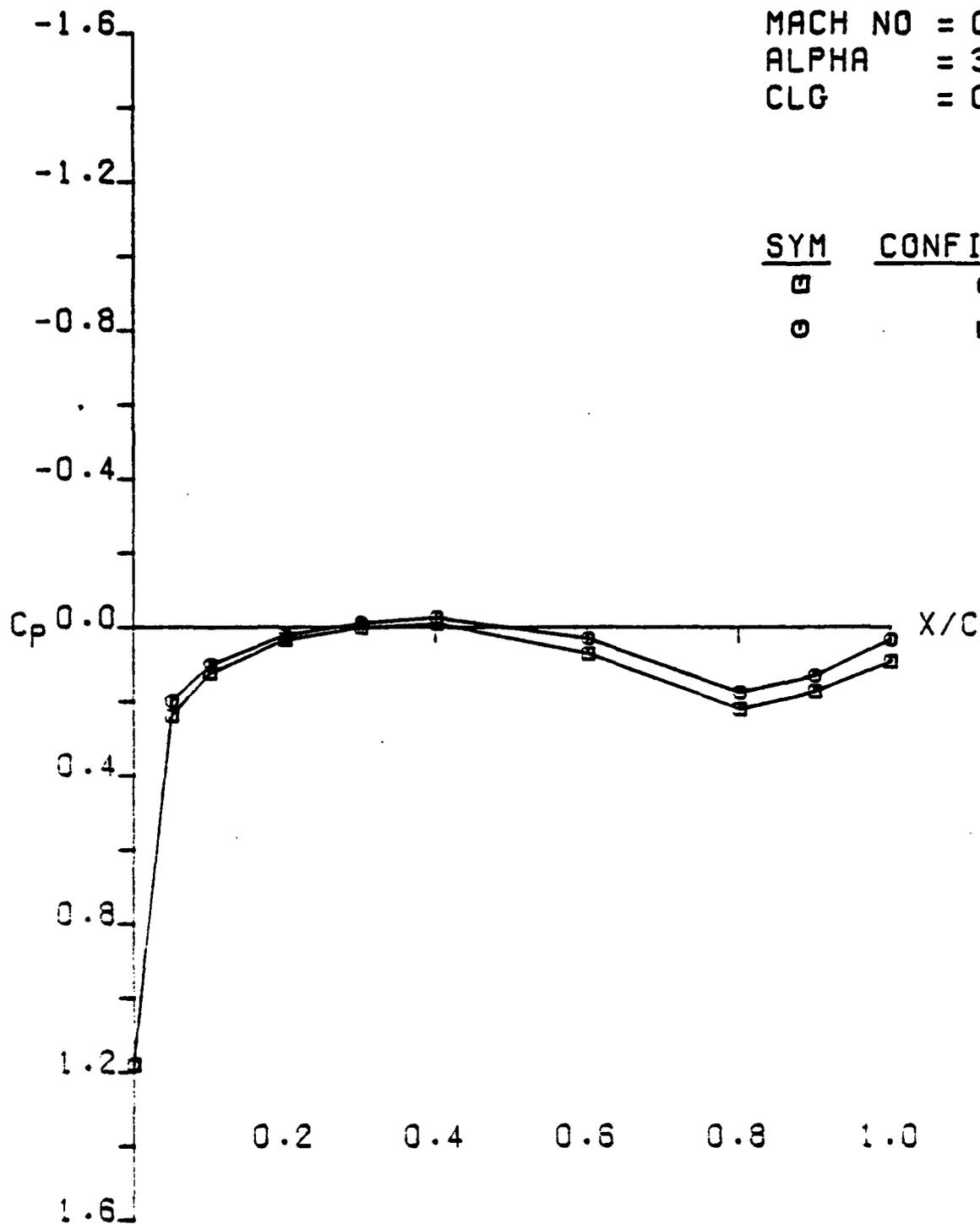
□ CLEAN
 ○ LOW



CONDITIONS

MACH NO = 0.321
 ALPHA = 3.347
 CL = 0.460
 CD = 0.031
 CM = -0.063
 CLG = 0.460

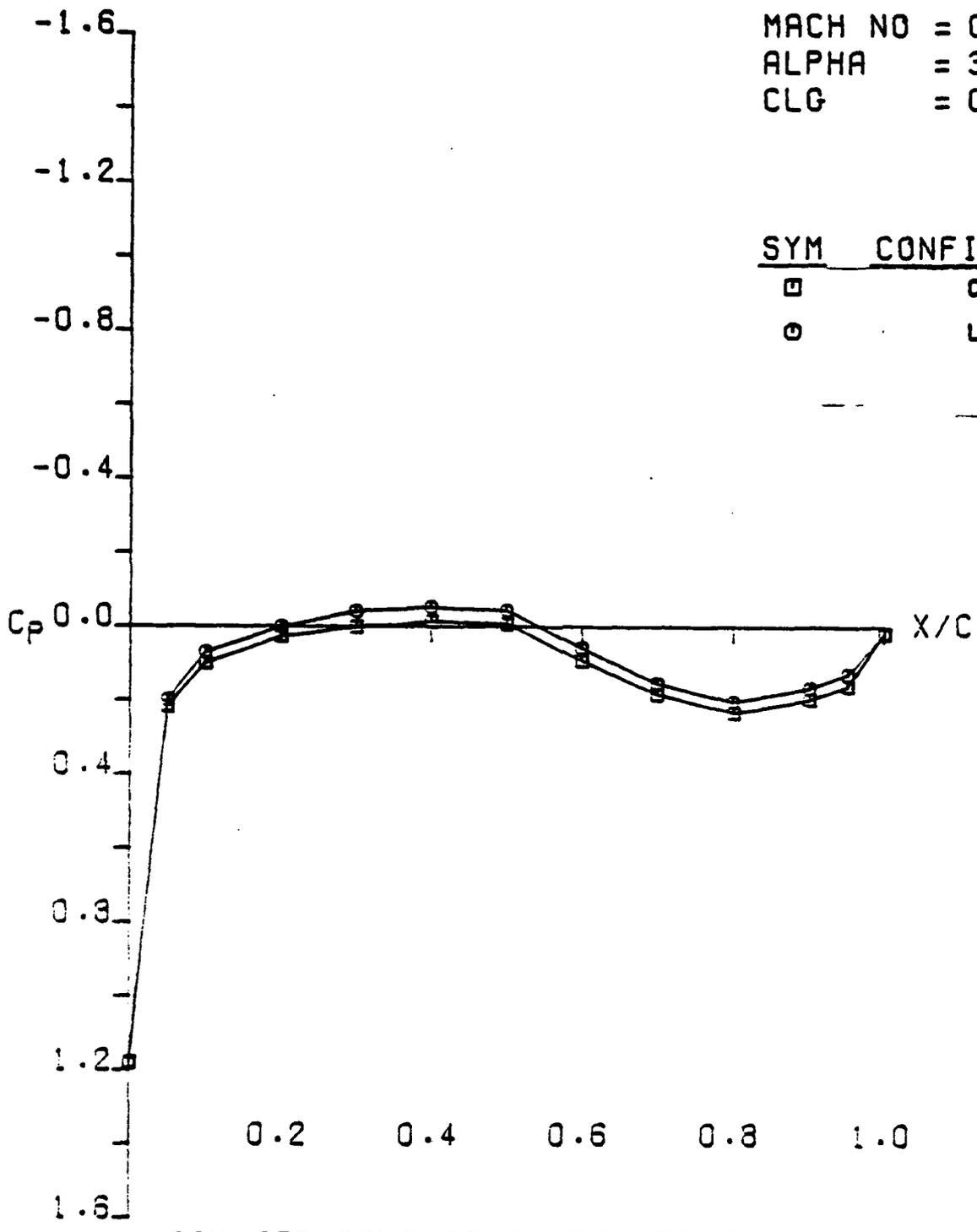
LOCKHEED CFWT SEMI-SPAN TEST. RUN 47
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

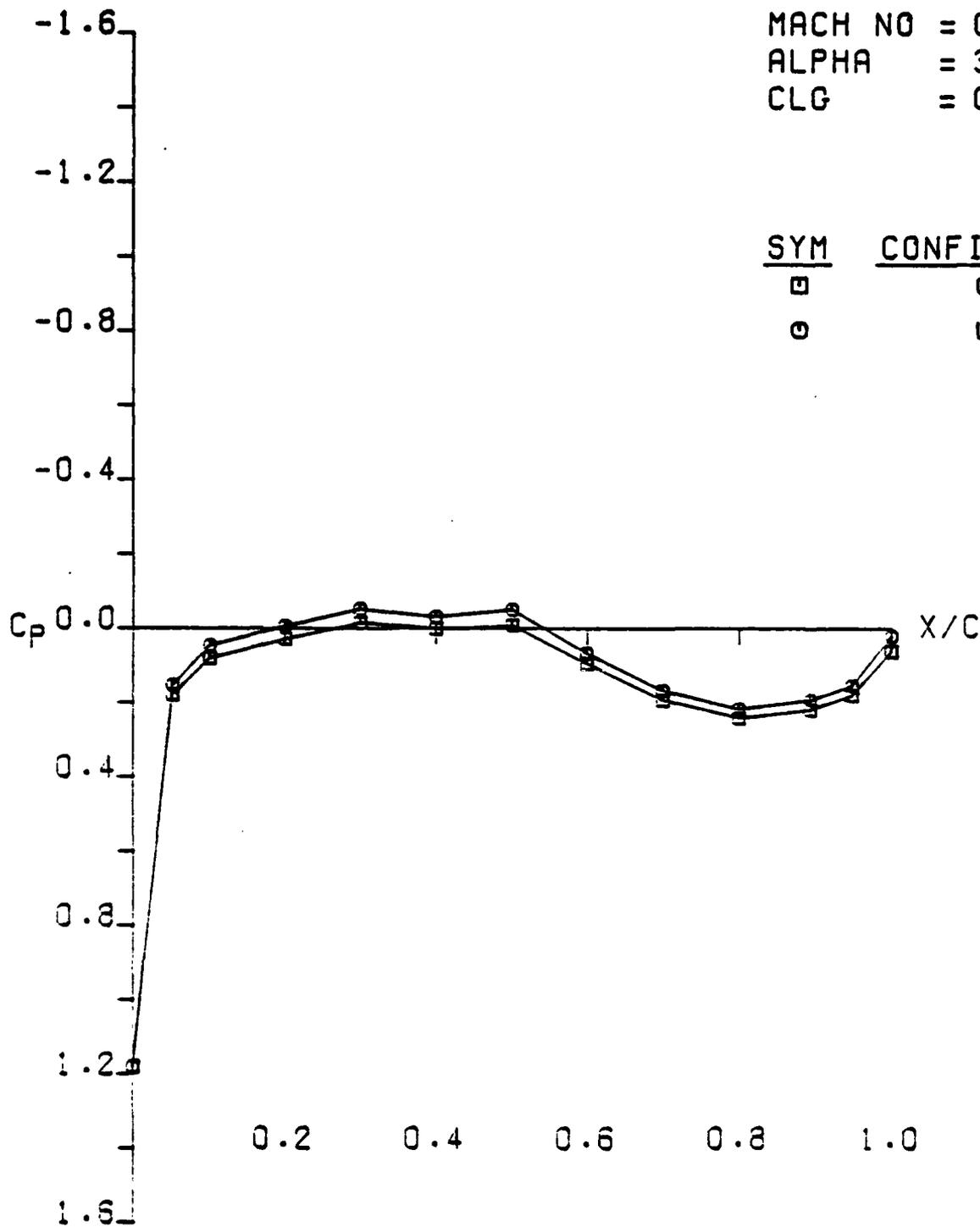
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (LWR SURF STA.216)
 AFOSR SEMISPAN MODEL 3



MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

SYM	CONFIGURATION
□	CLEAN
○	LOW

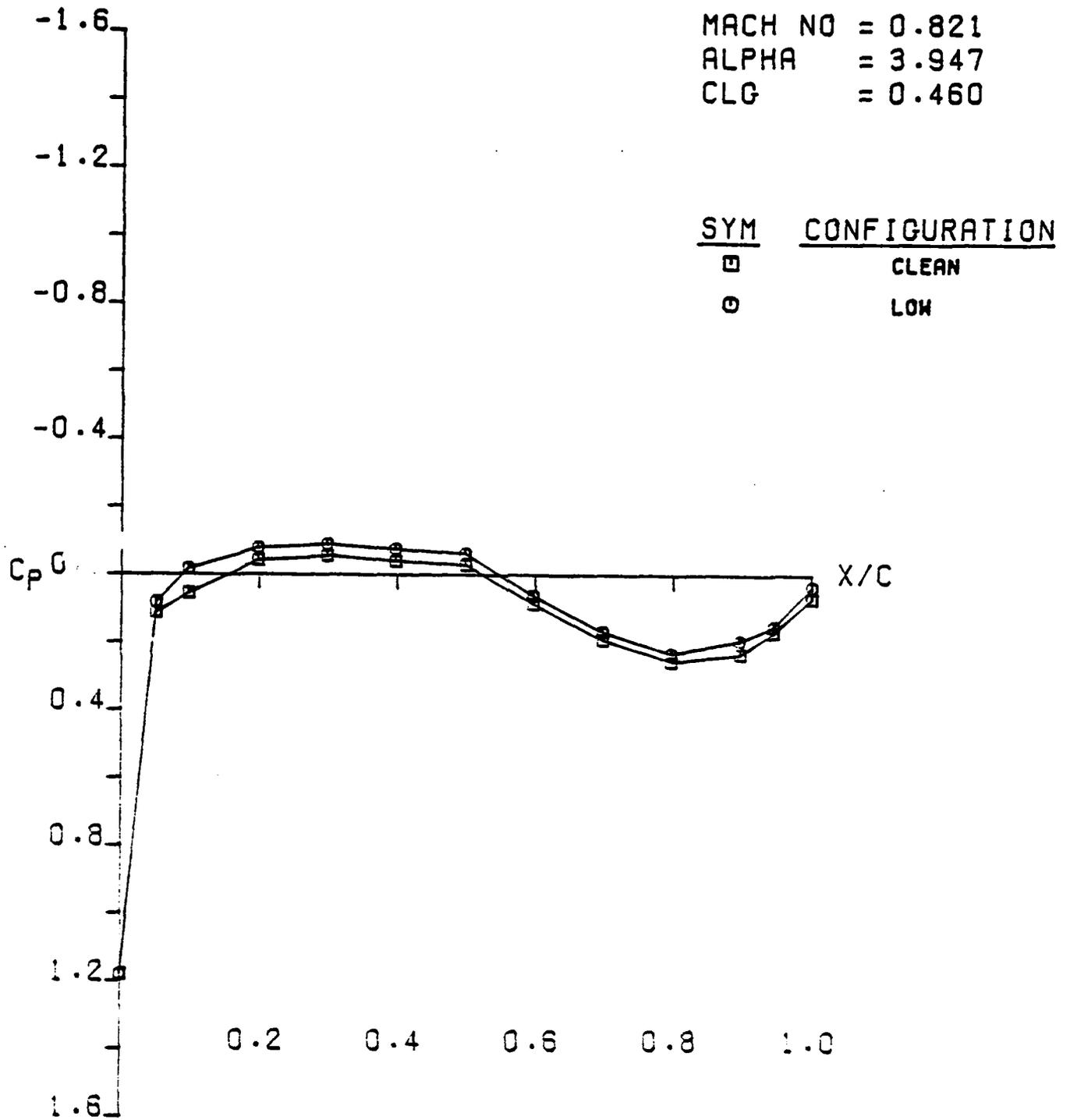
LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL 3



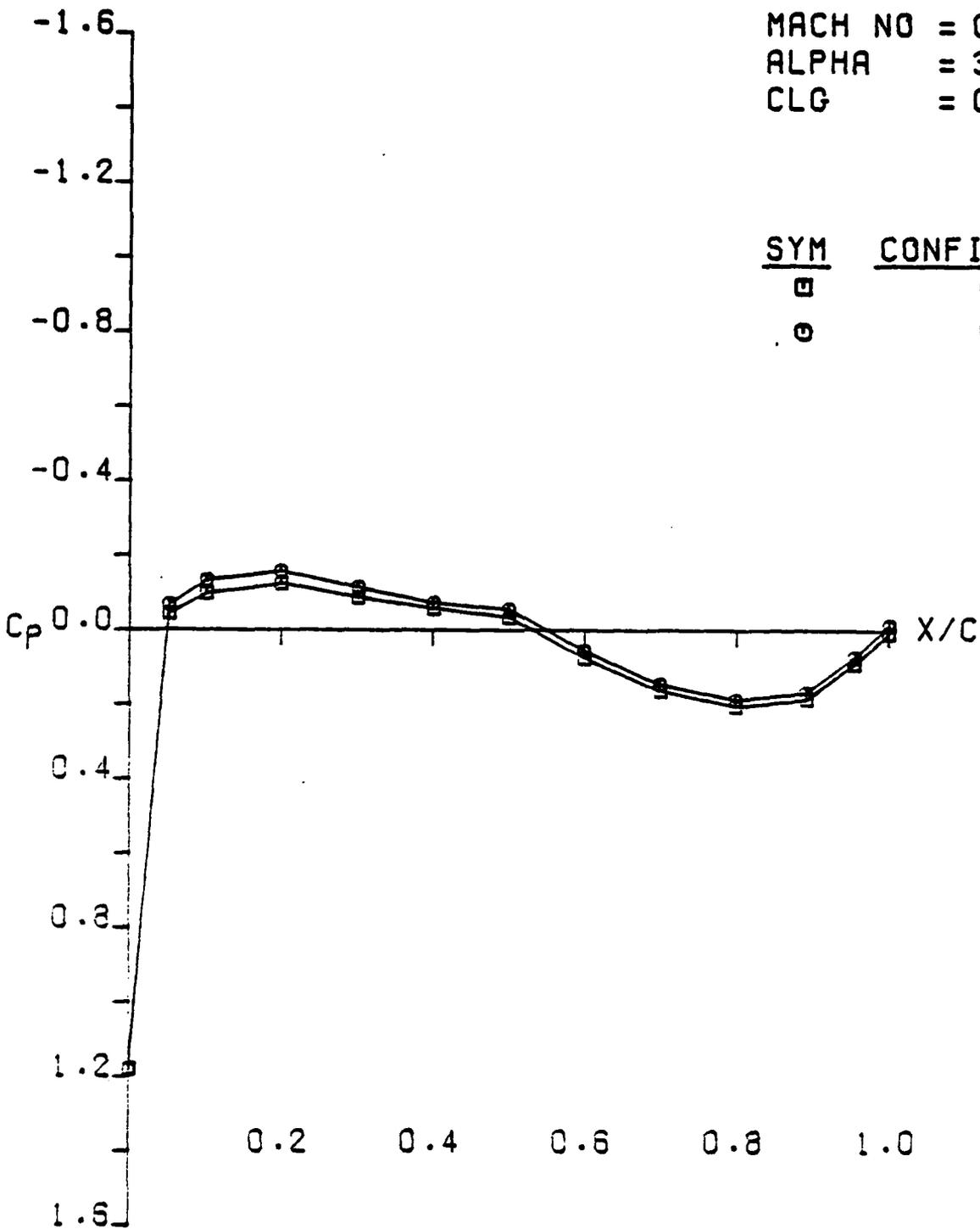
MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL 3



LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.821
 ALPHA = 3.947
 CLG = 0.460

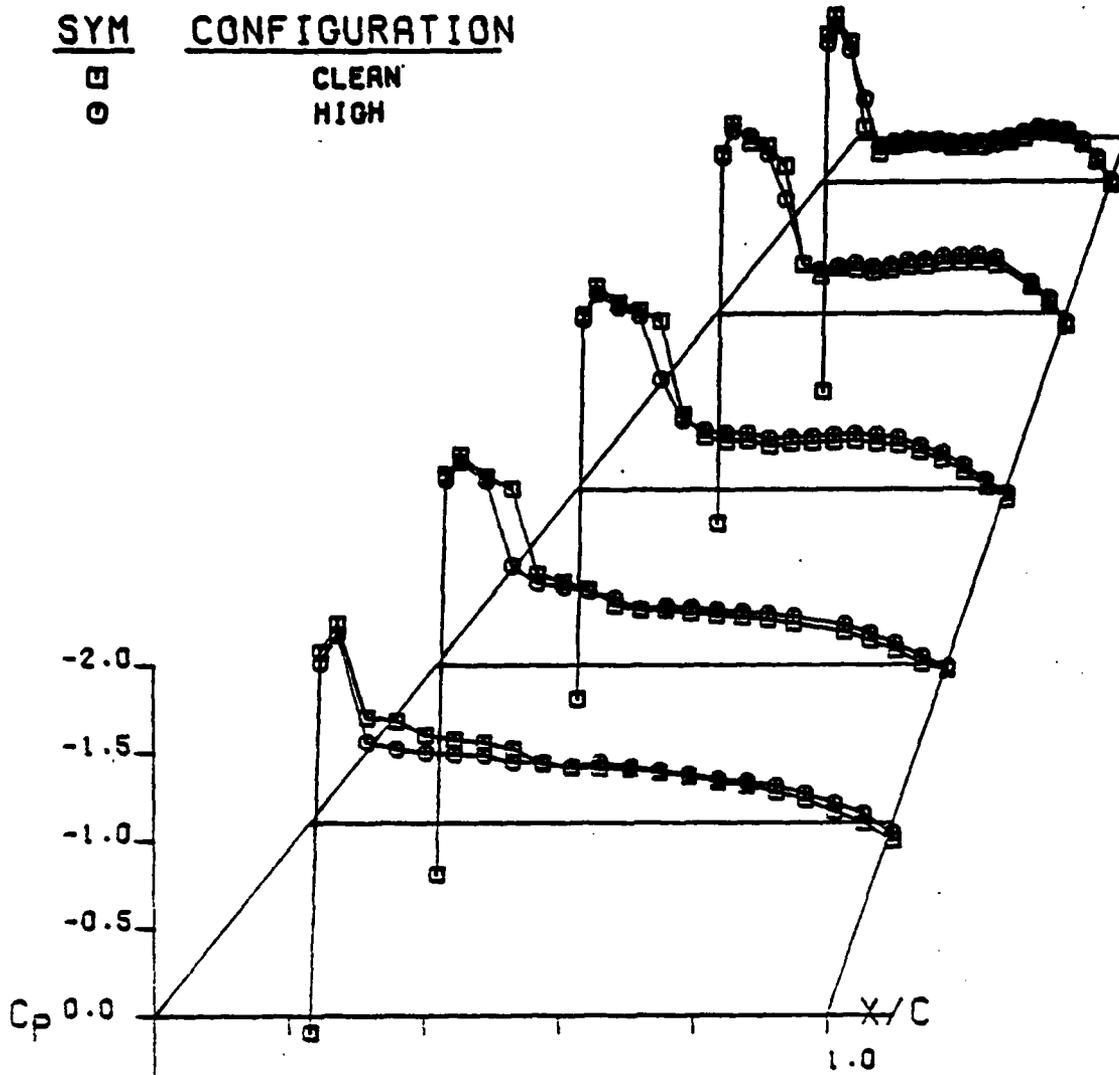
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 47
 CLN VS LOW (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL 3

SYM CONFIGURATION

□
○

CLEAN
HIGH

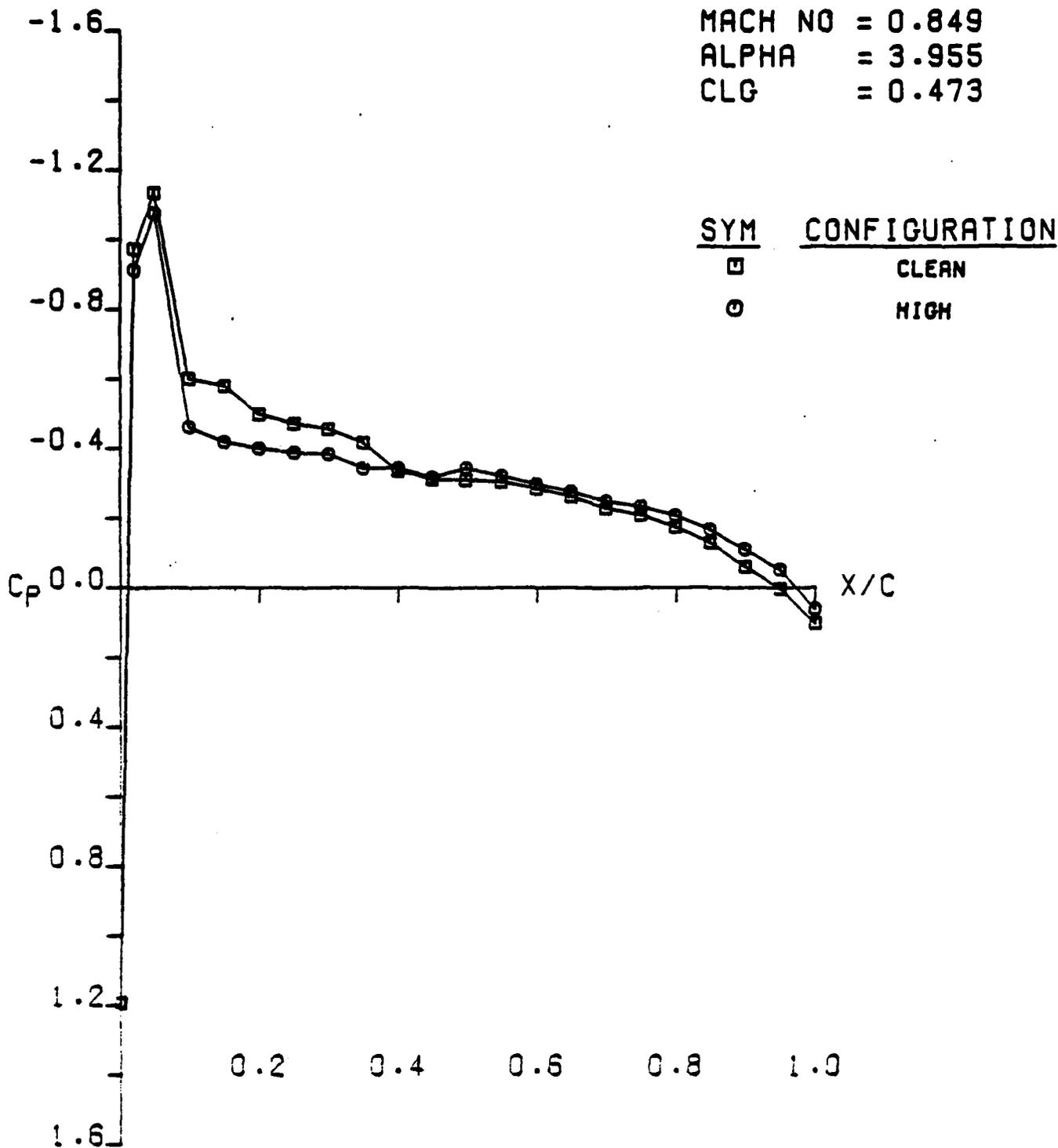


CONDITIONS

MACH NO = 0.849
 ALPHA = 3.355
 CL = 0.473
 CD = 0.033
 CM = -0.363
 CLG = 0.473

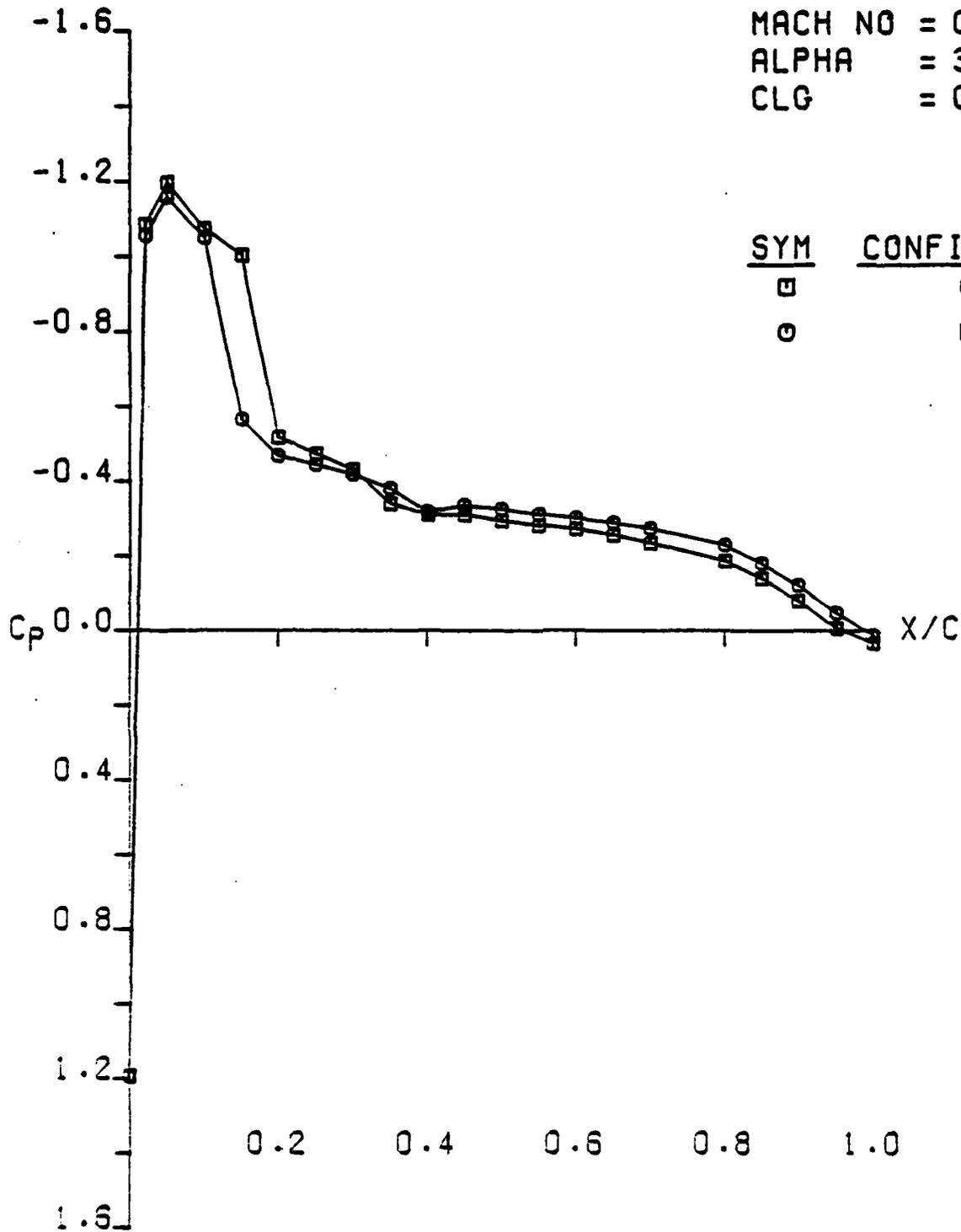
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL 8

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473



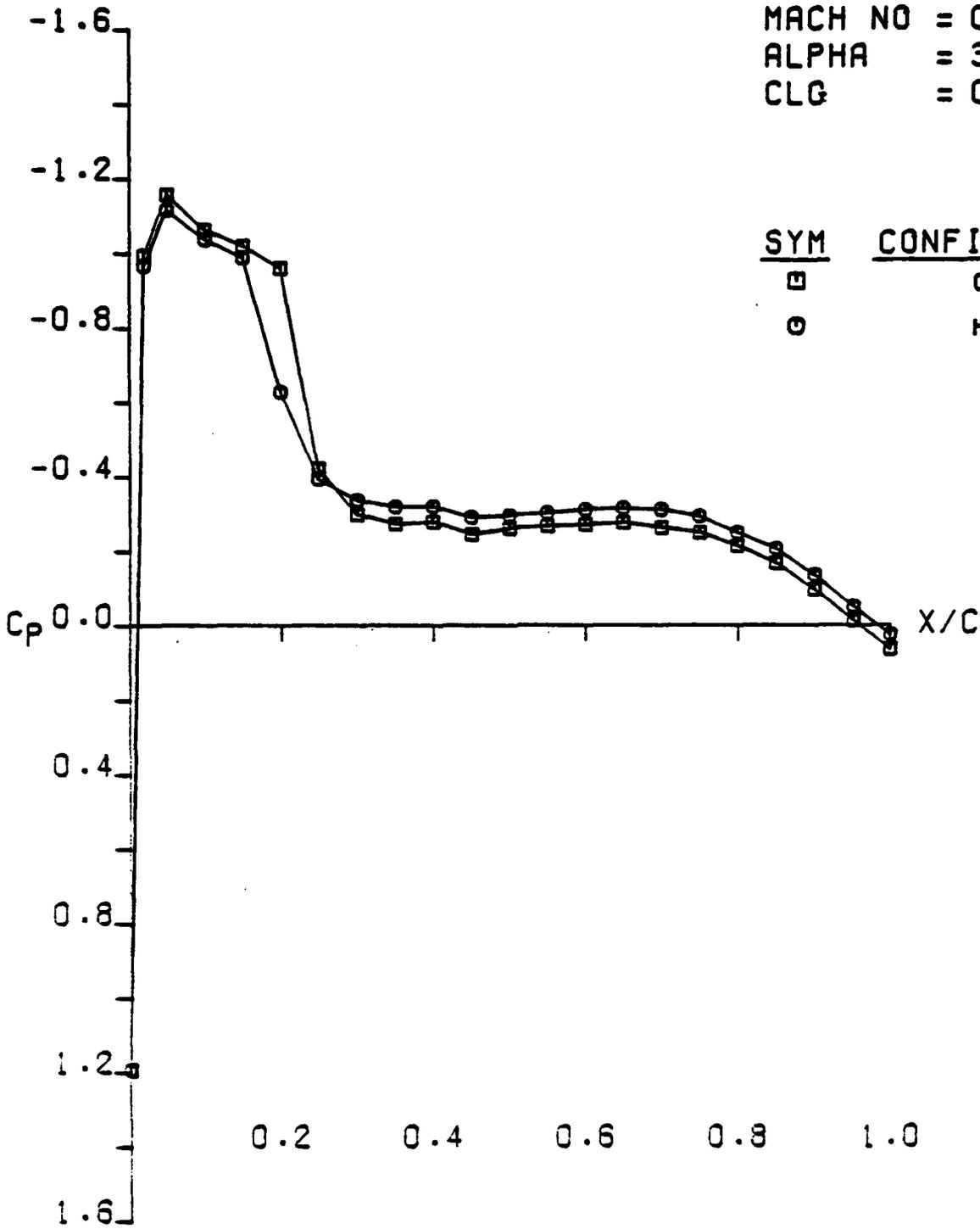
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B

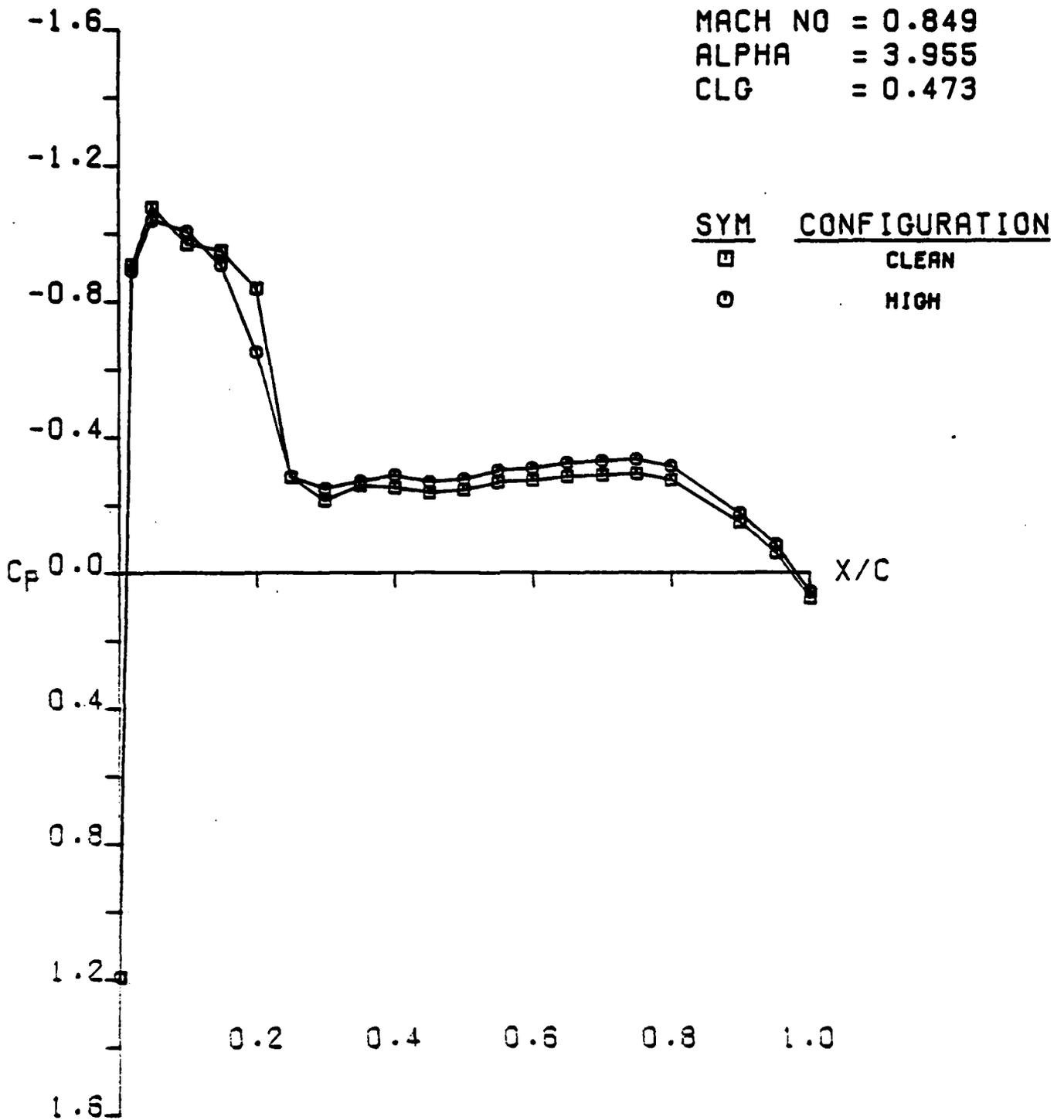
MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473



<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST. RUN 16
 CLN VS HIGH (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL 3

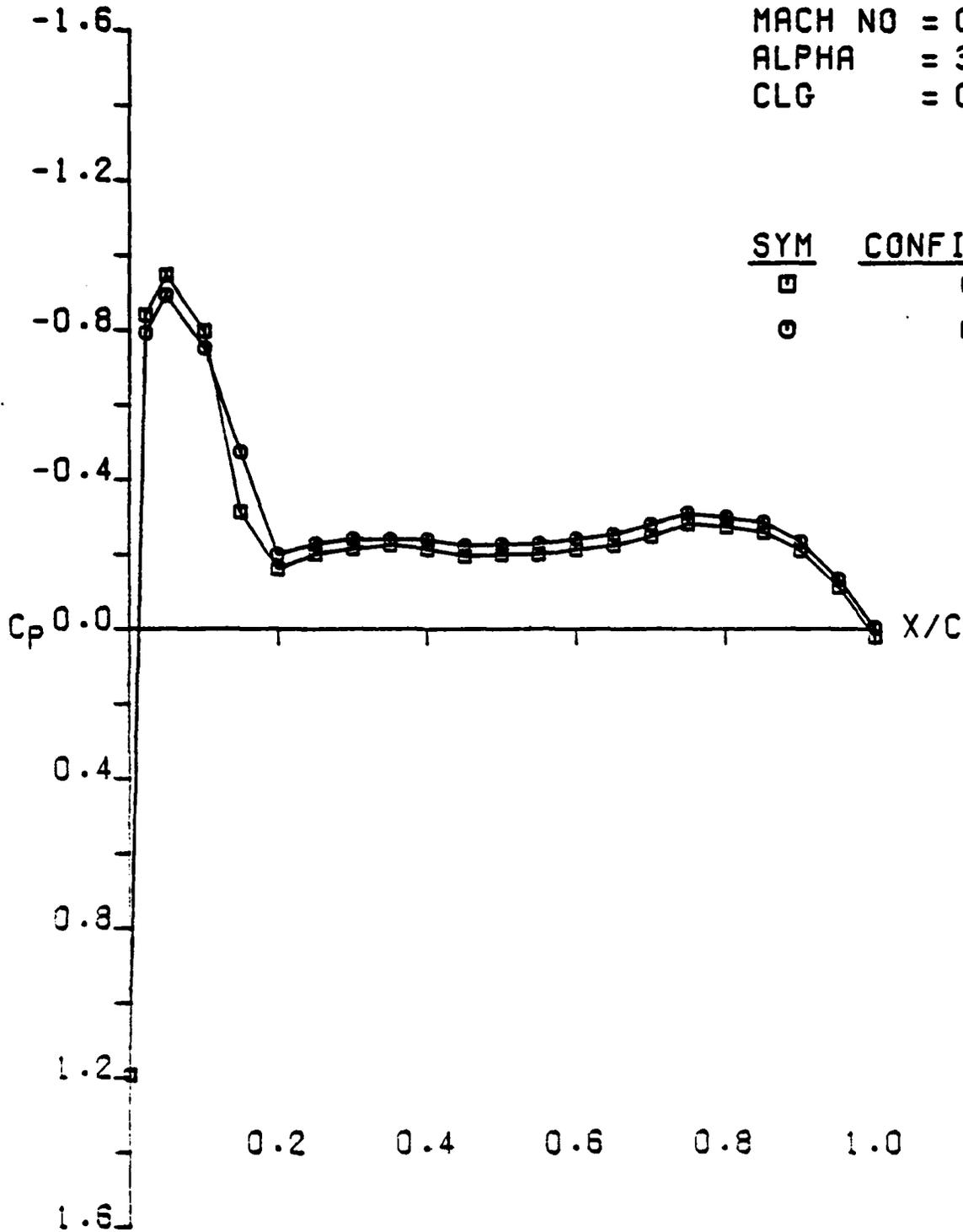
MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473



LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
 CLN VS HIGH (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473

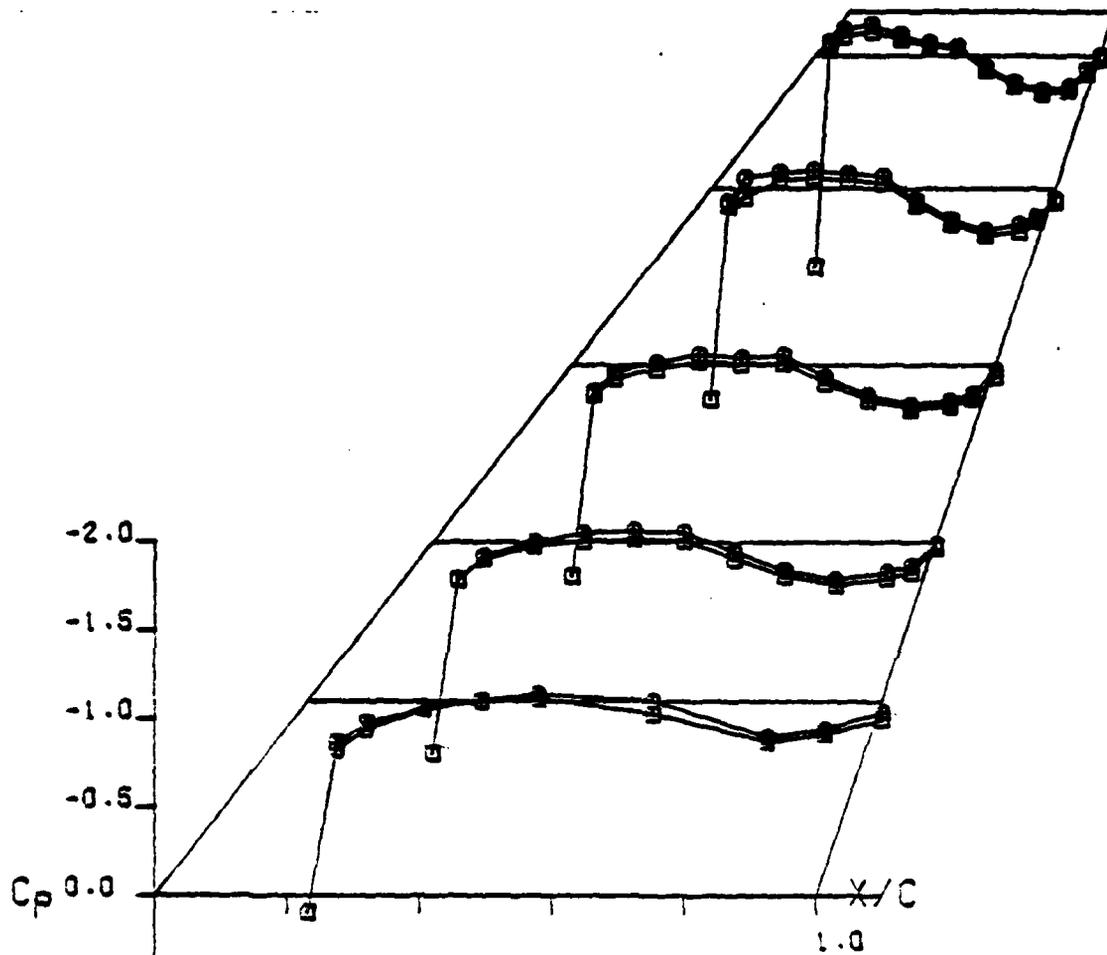
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS HIGH (UPR SURF ETA .95)
AFOSR SEMISPAN MODEL 3

SYM CONFIGURATION

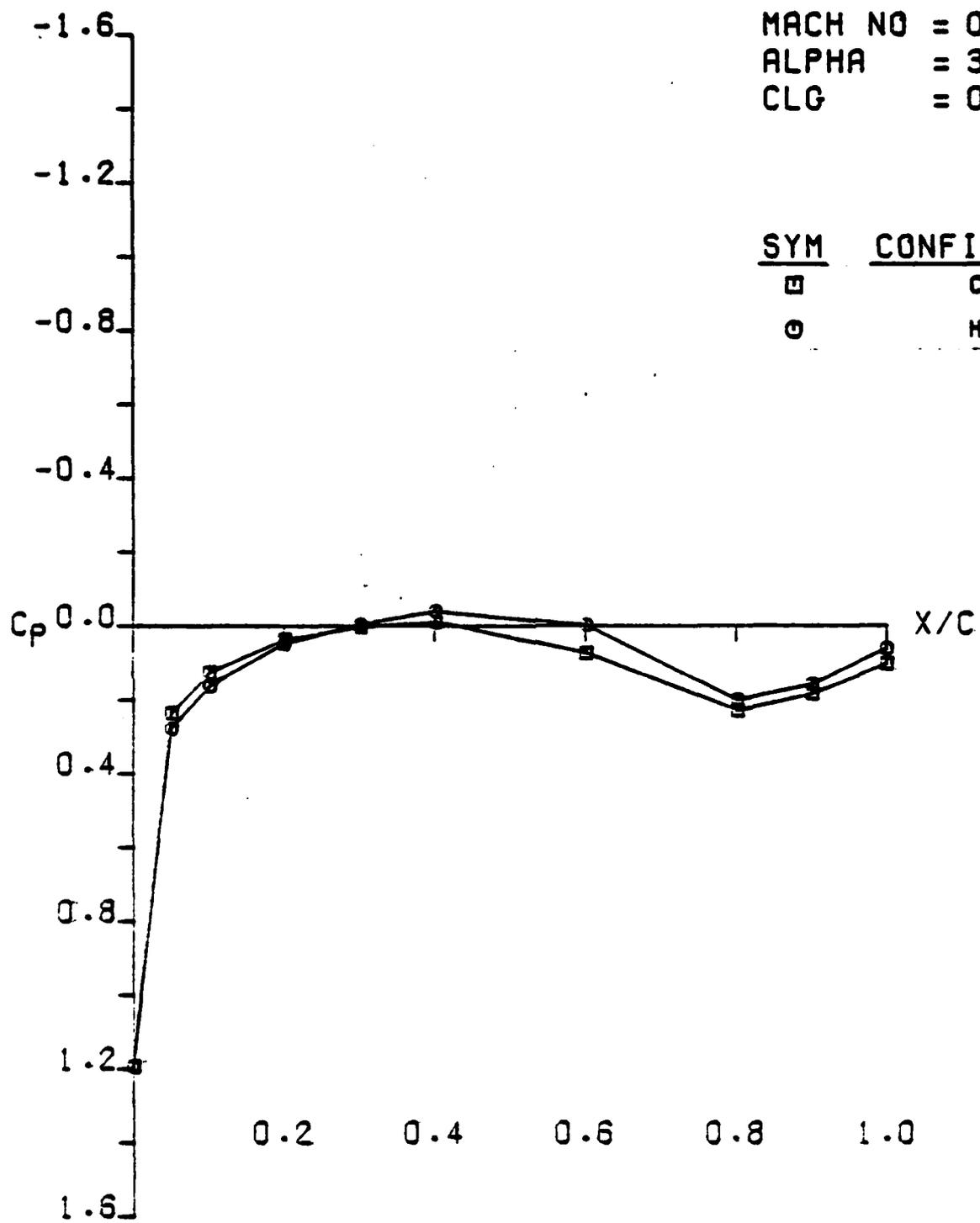
□ CLEAN
 ○ HIGH



CONDITIONS

MACH NO = 0.849
 ALPHA = 3.955
 CL = 0.473
 CD = 0.033
 CM = -0.063
 CLG = 0.473

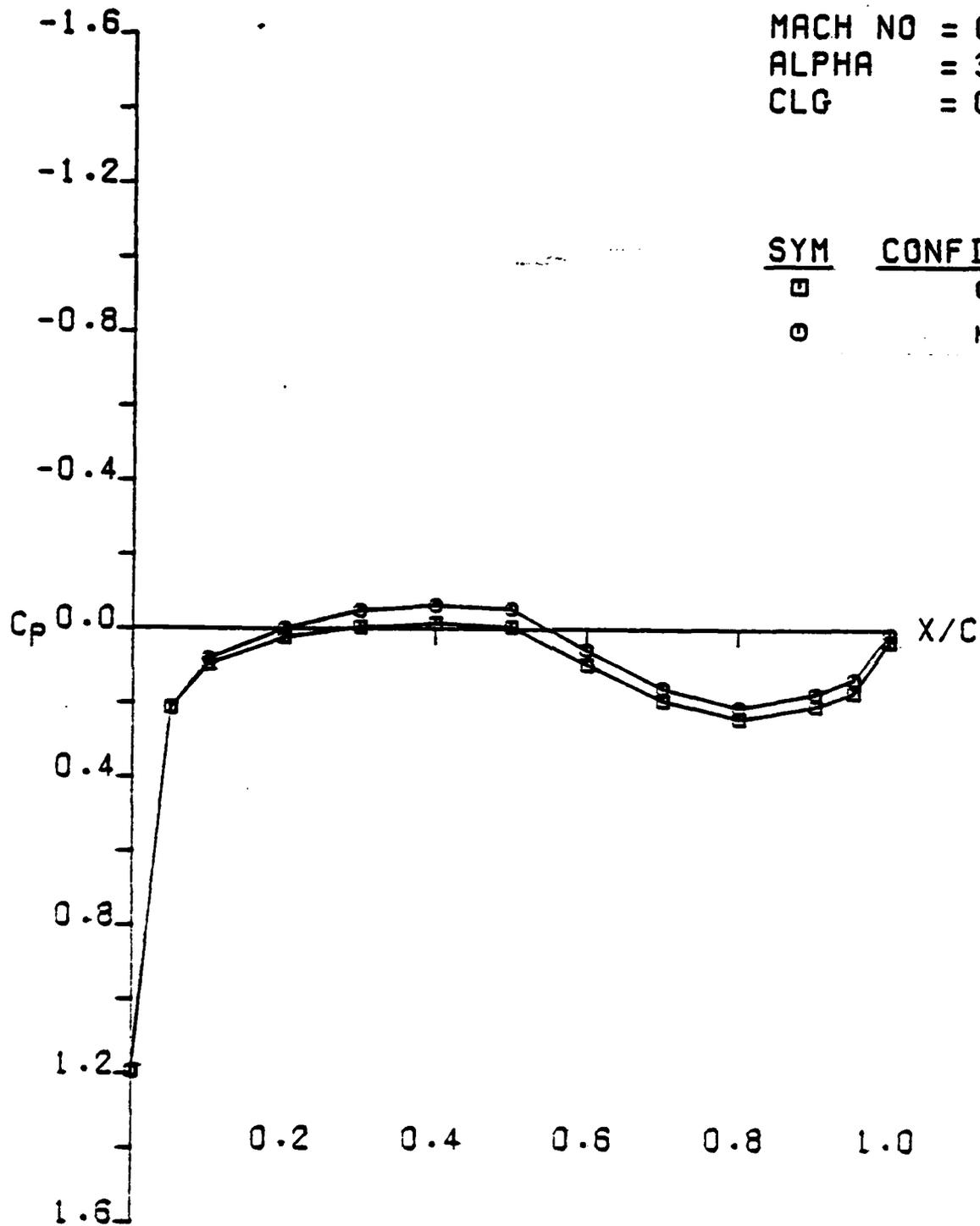
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (LWR SURF)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

SYM	CONFIGURATION
□	CLEAN
○	HIGH

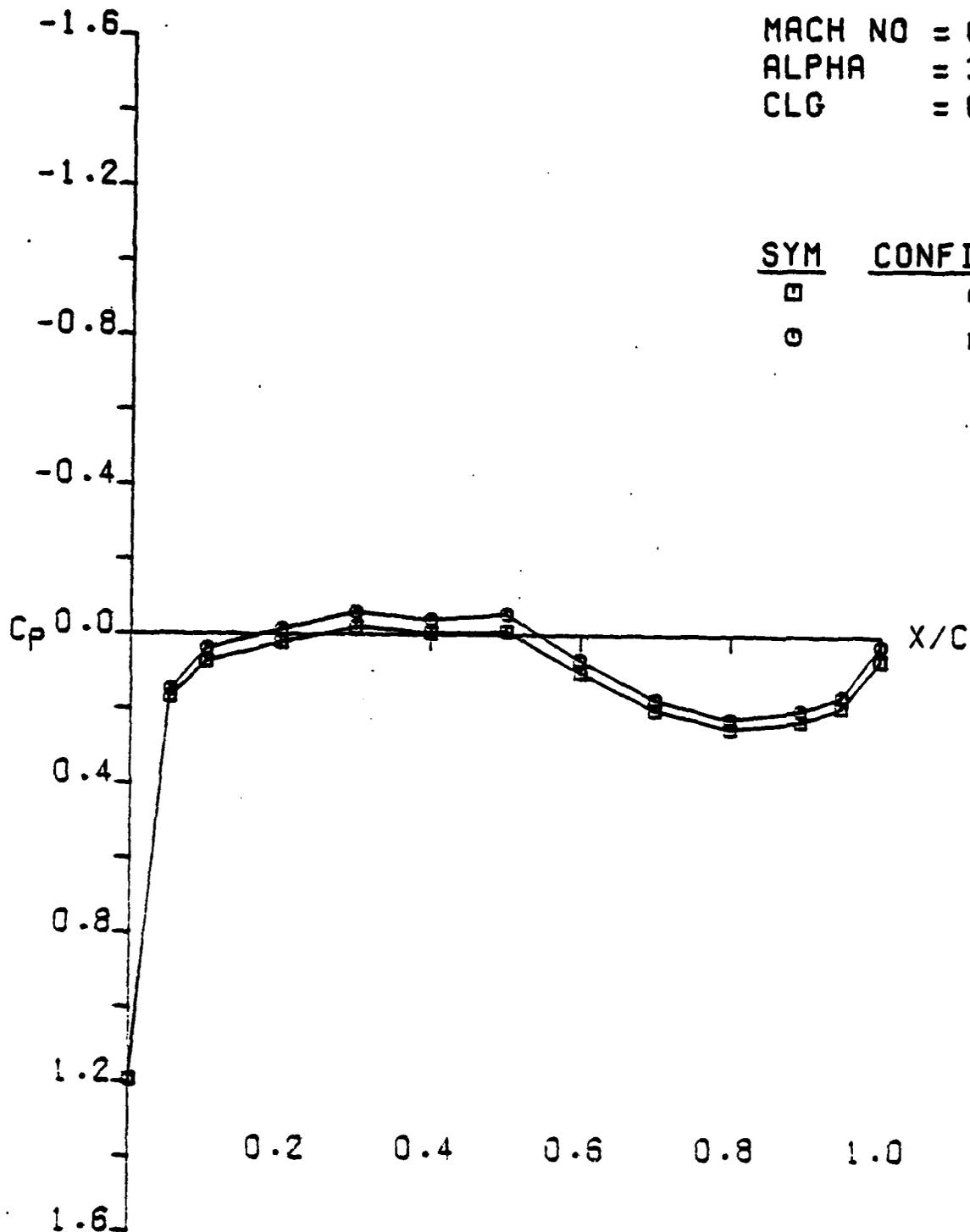
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (LWR SURF ETR.216)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

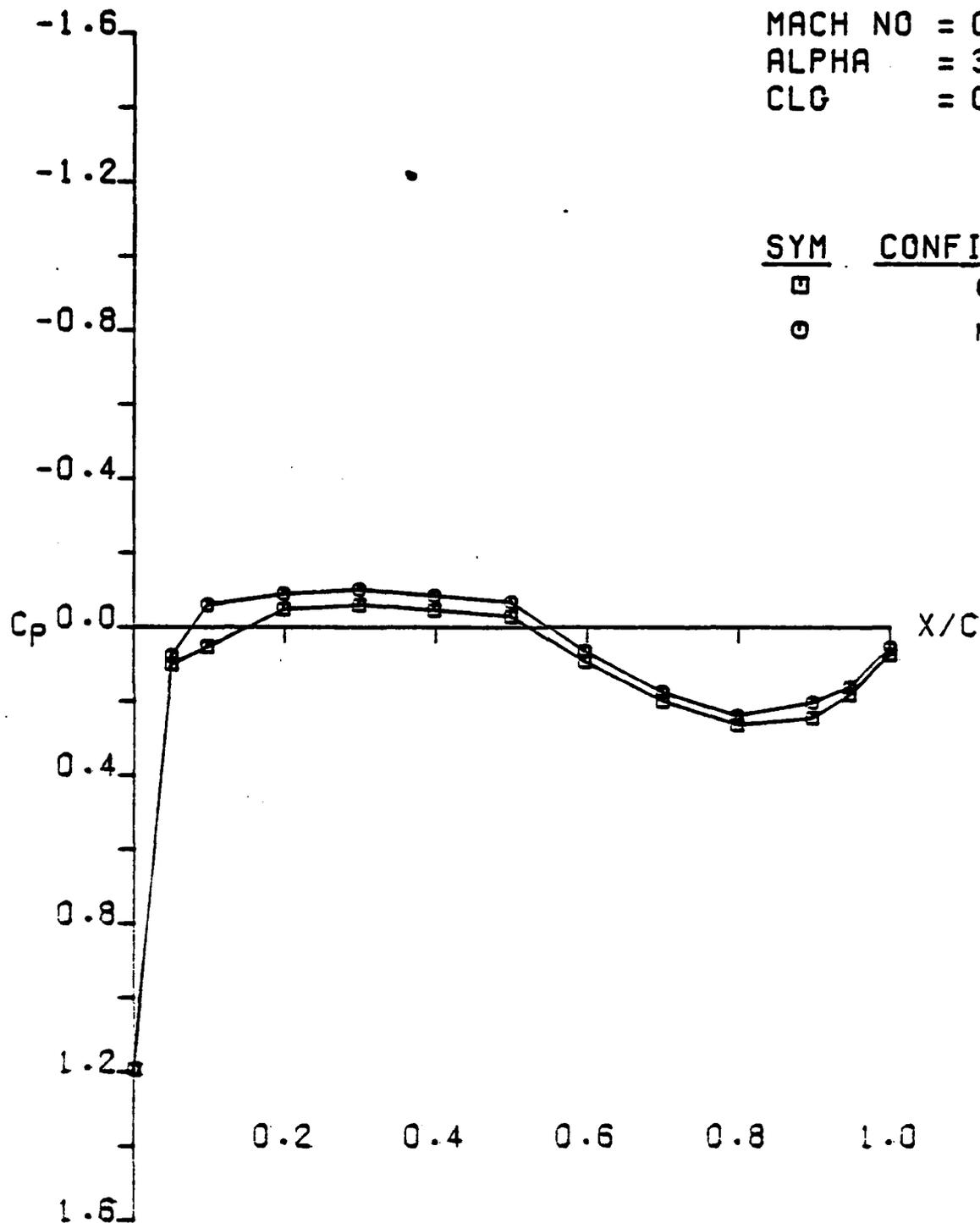
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

SYM	CONFIGURATION
□	CLEAN
○	HIGH

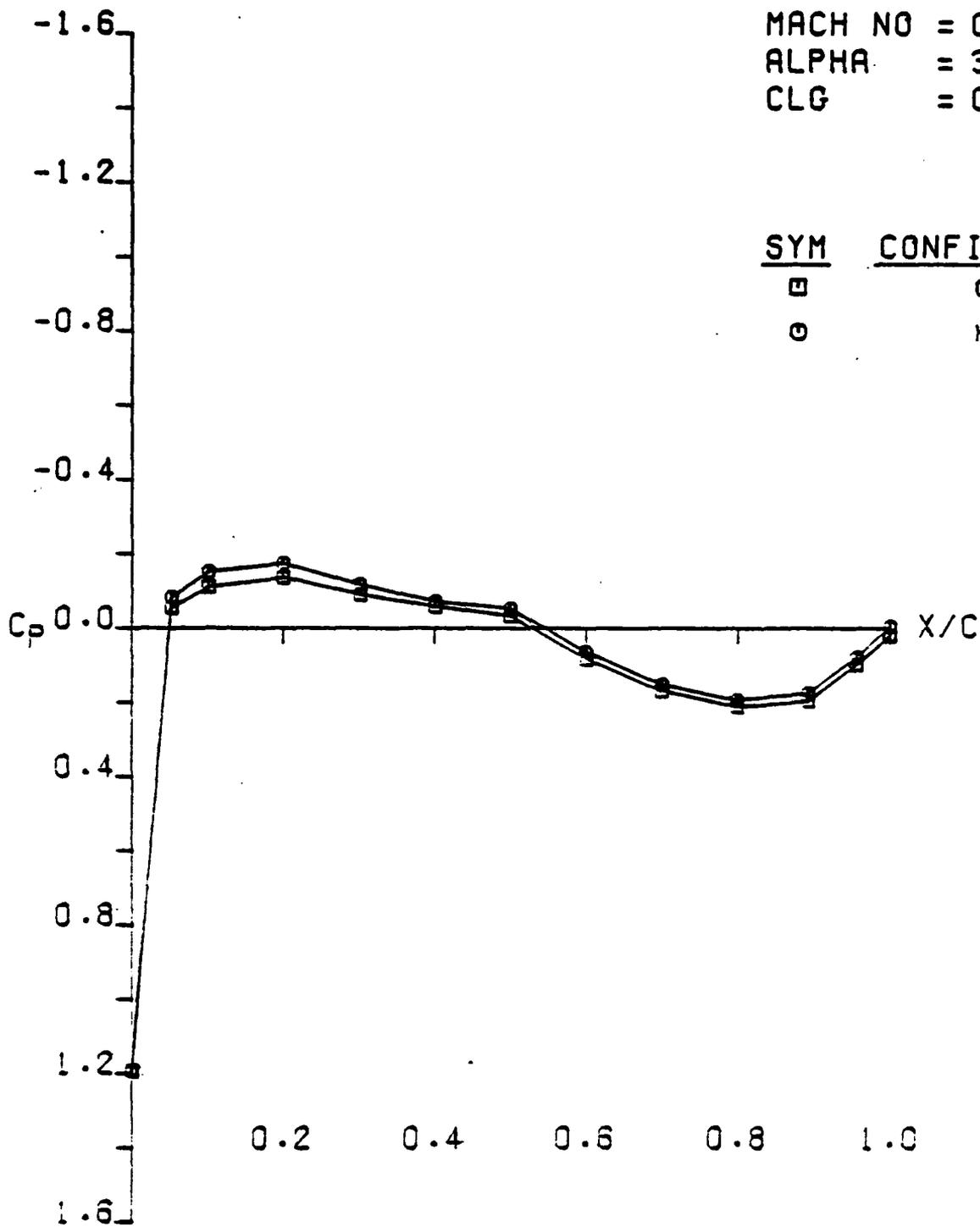
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (LWR SURF ETA.50)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

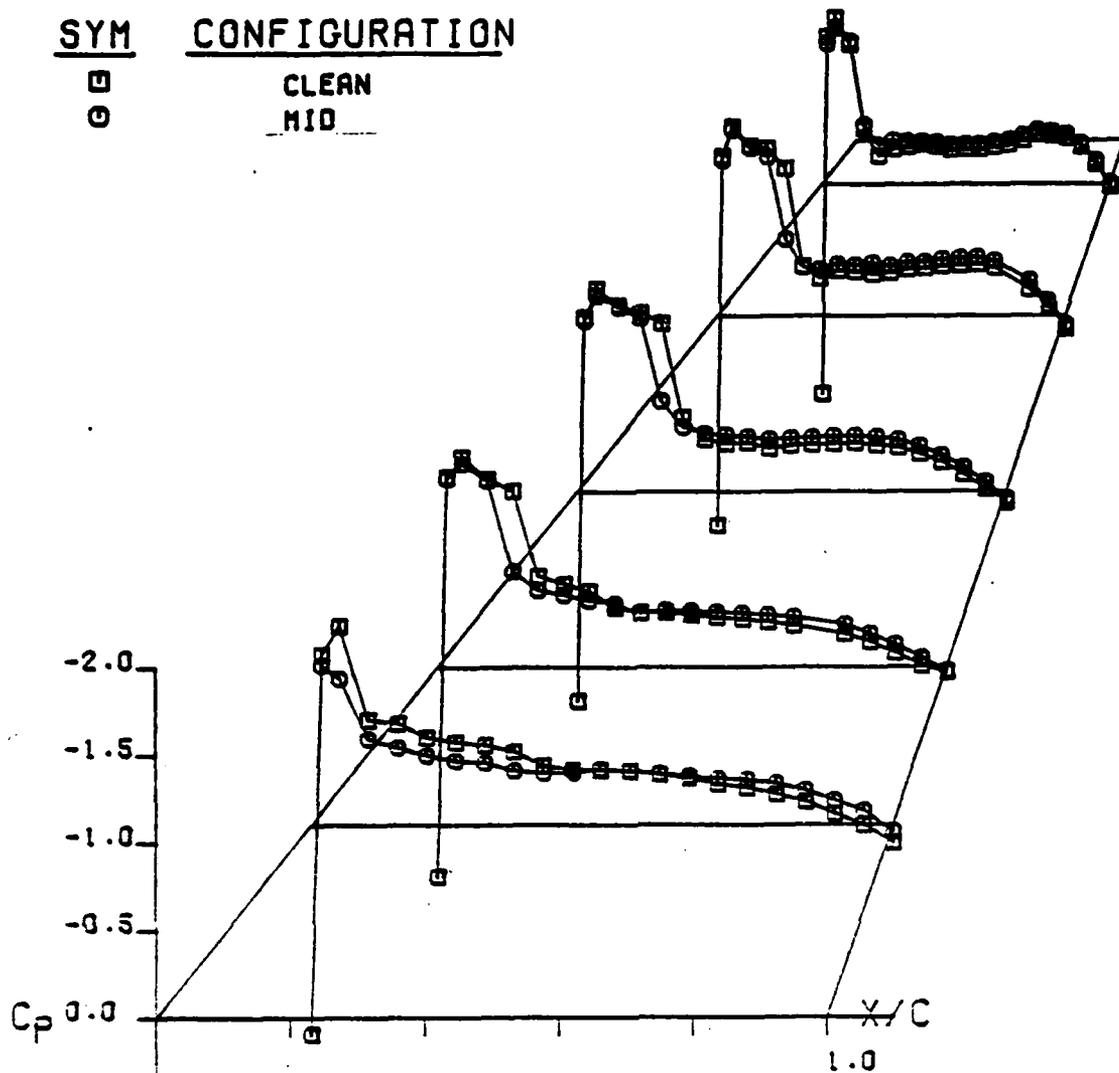
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS HIGH (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

CLEAN
MID

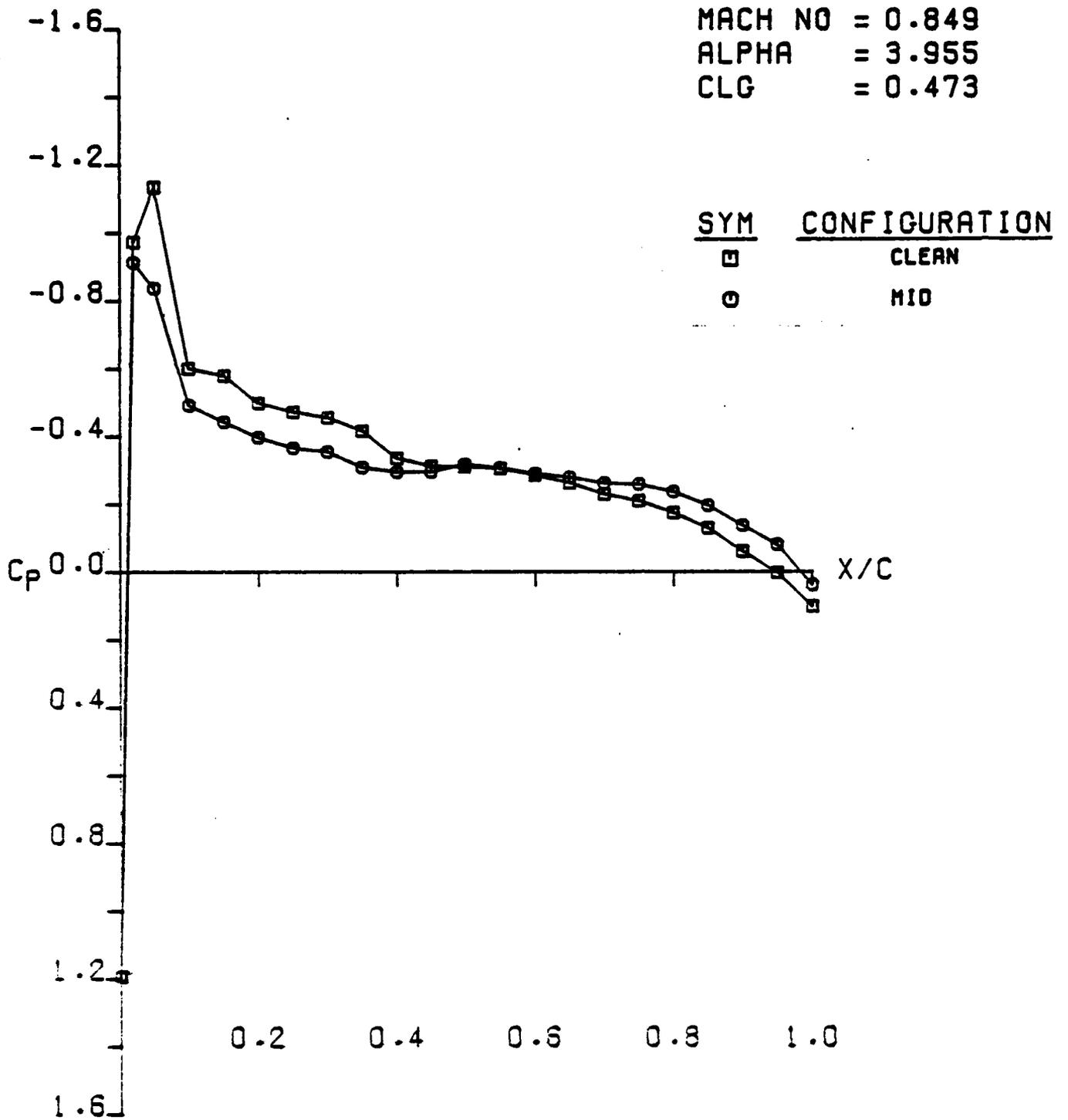


CONDITIONS

MACH NO = 0.849
 ALPHA = 3.355
 CL = 0.473
 CD = 0.033
 CM = -0.363
 CLG = 0.473

LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL B

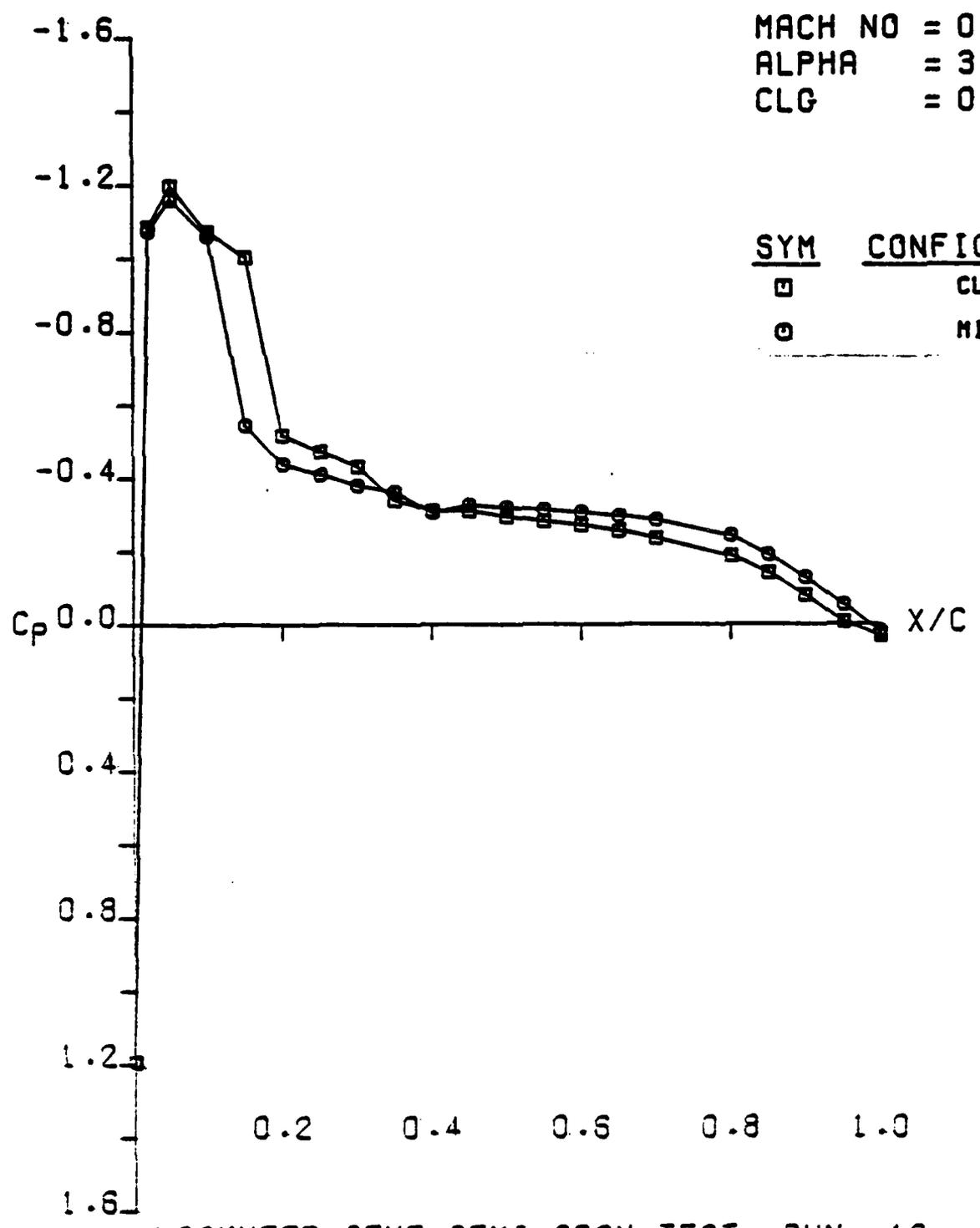
MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (UPR SURF ETA.215)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

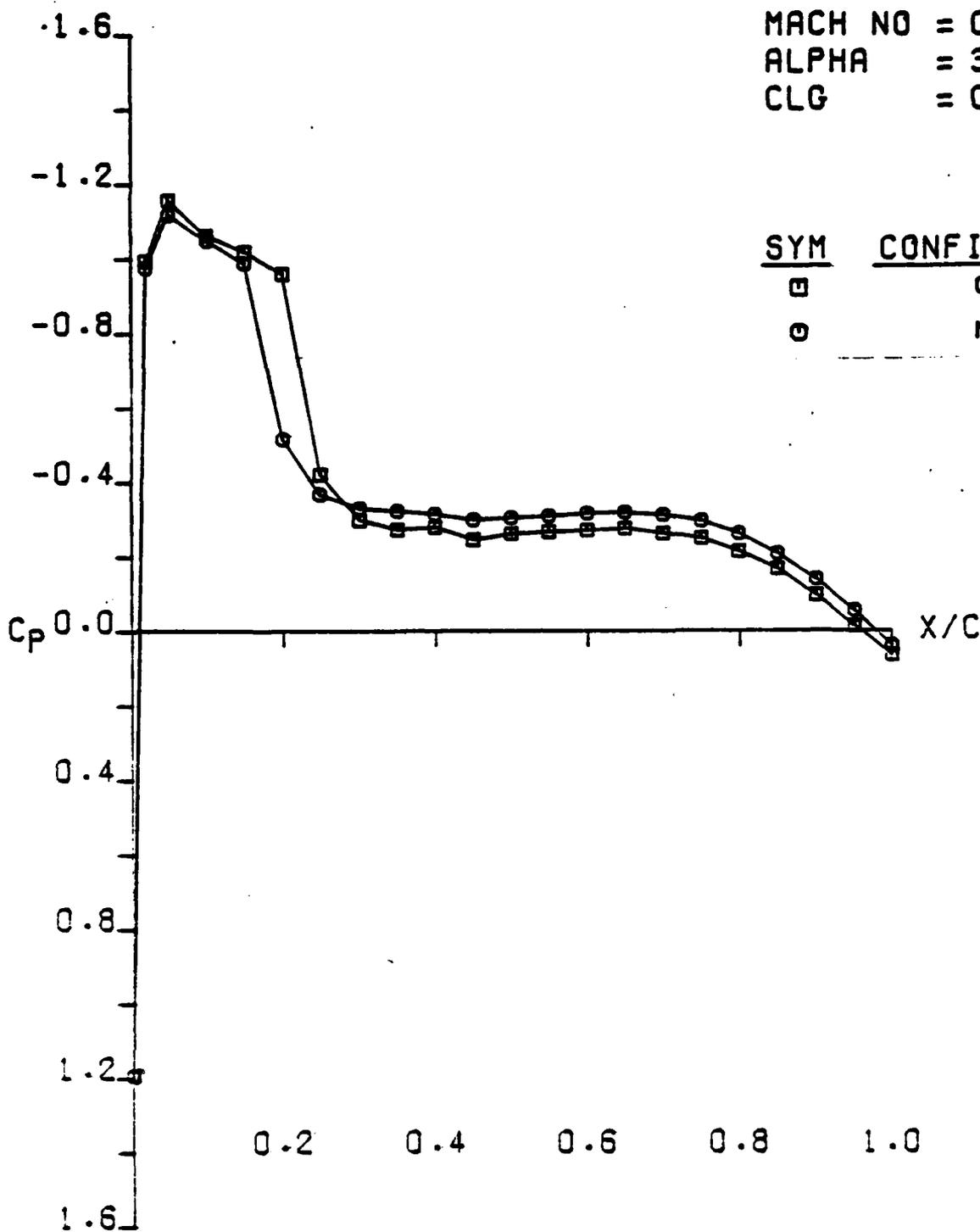
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B

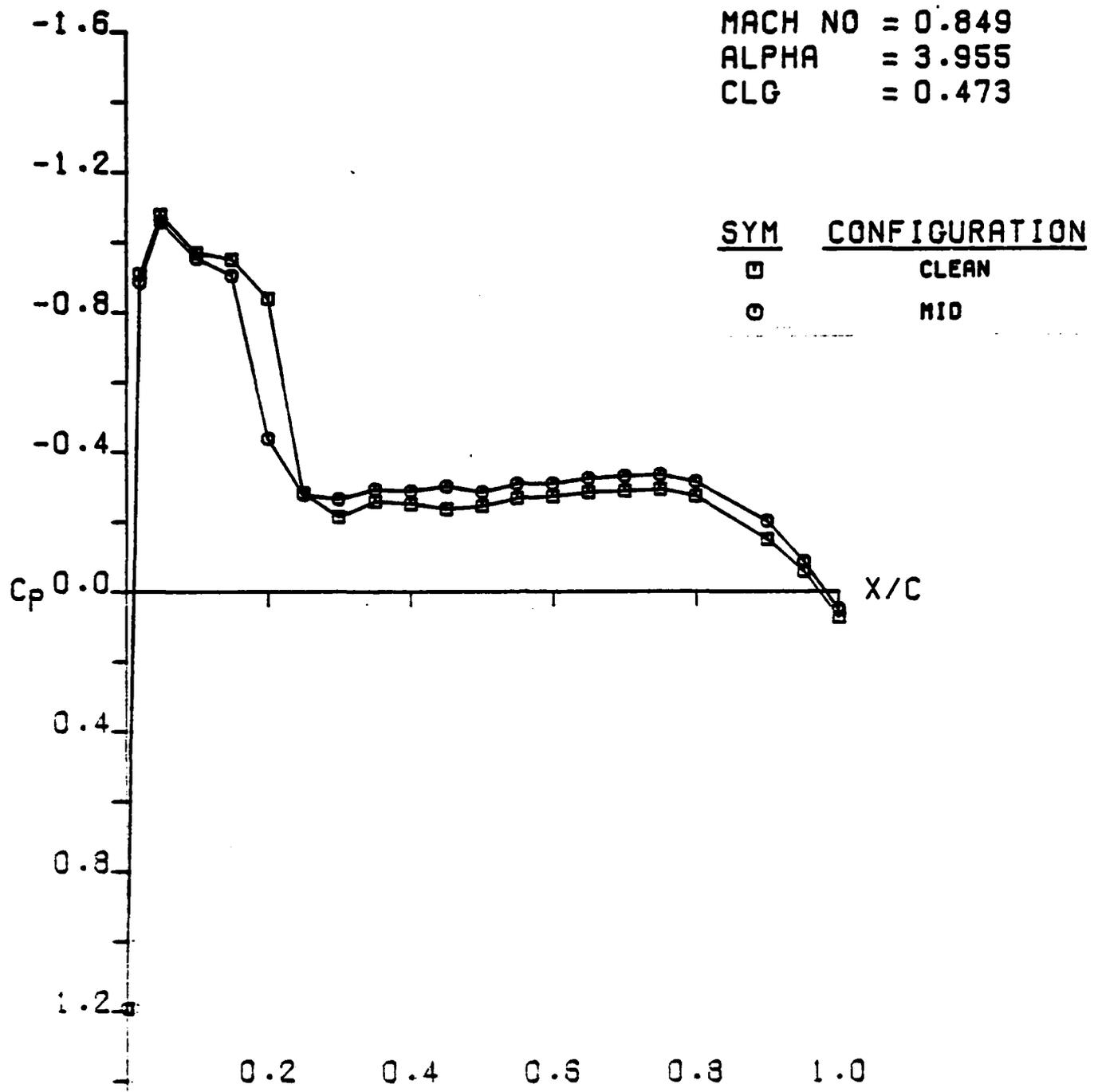
MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B

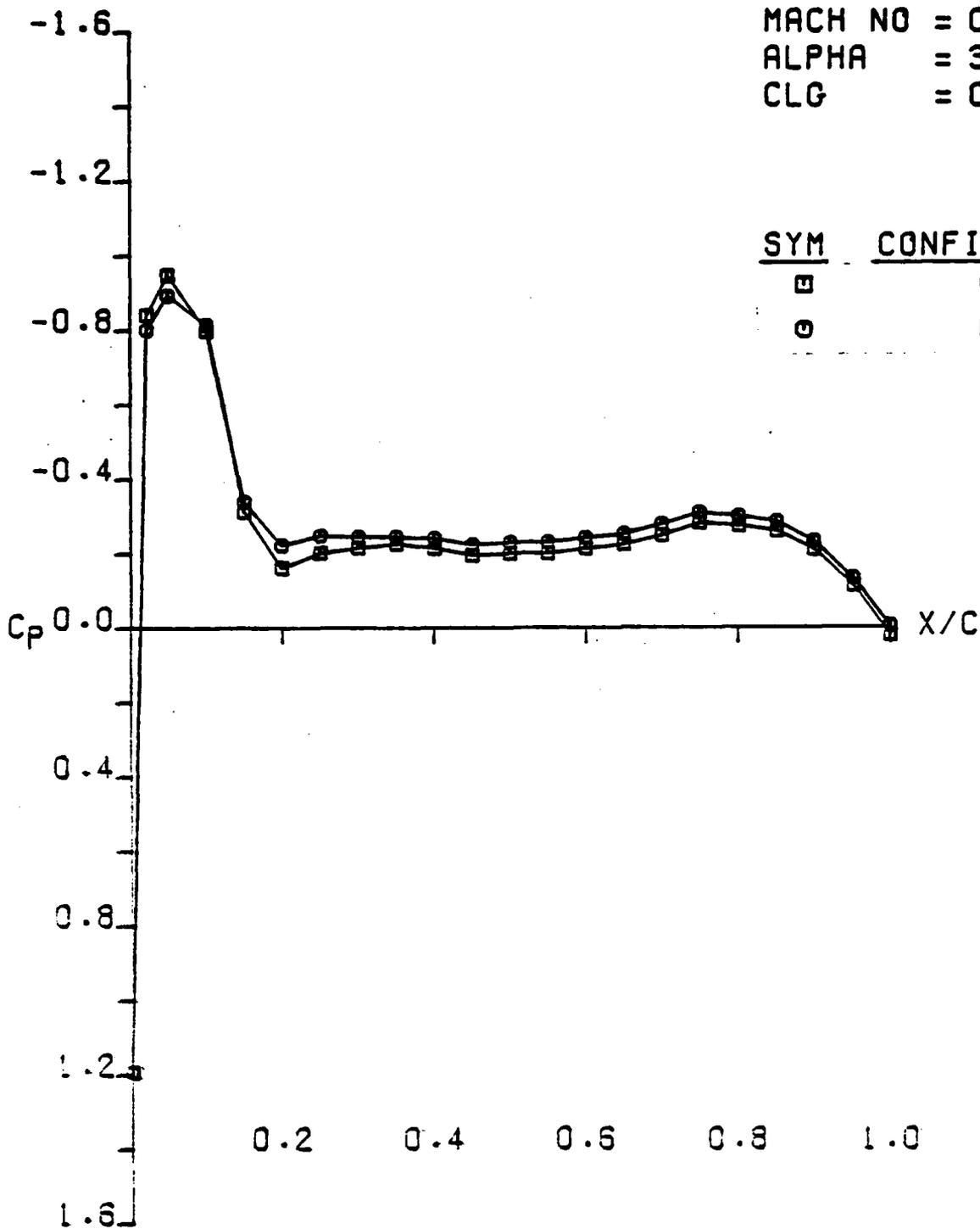
MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

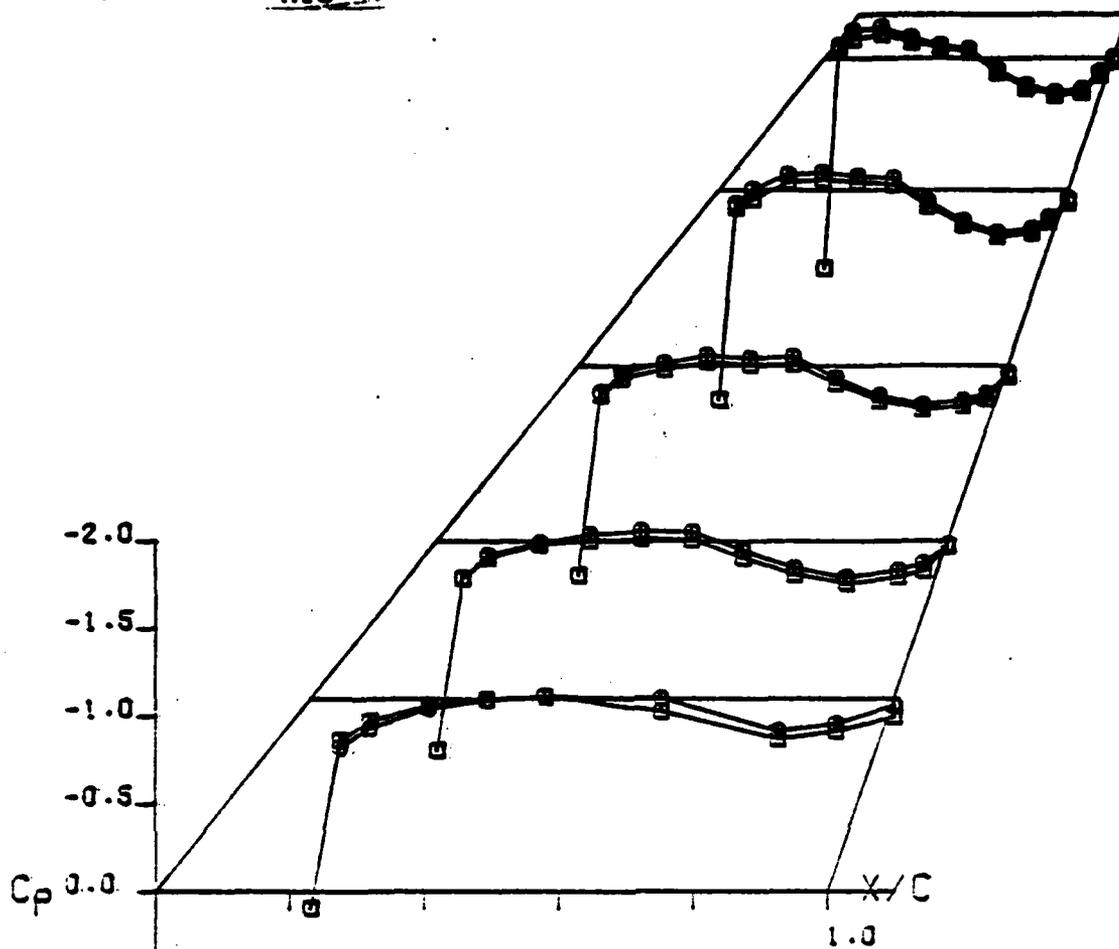


LOCKHEED CFWT SEMI-SPAN TEST, RUN 15
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL 3

SYM CONFIGURATION

□
○

CLEAN
MID



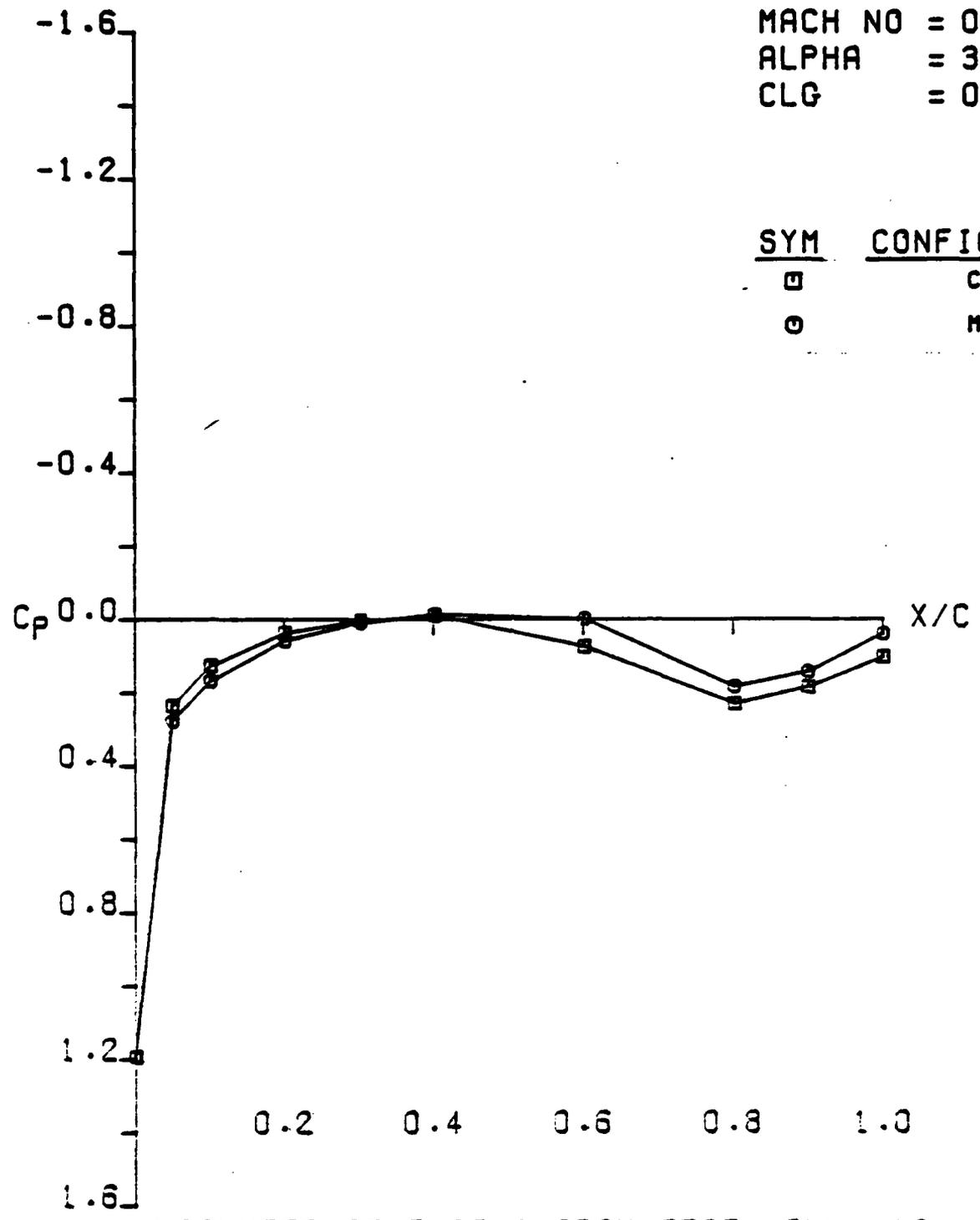
CONDITIONS

MACH NO = 0.849
 ALPHA = 3.955
 CL = 0.473
 CD = 0.033
 CM = -0.063
 CLG = 0.473

LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (LWR SURF)
 AFOSR SEMISPAN MODEL 3

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

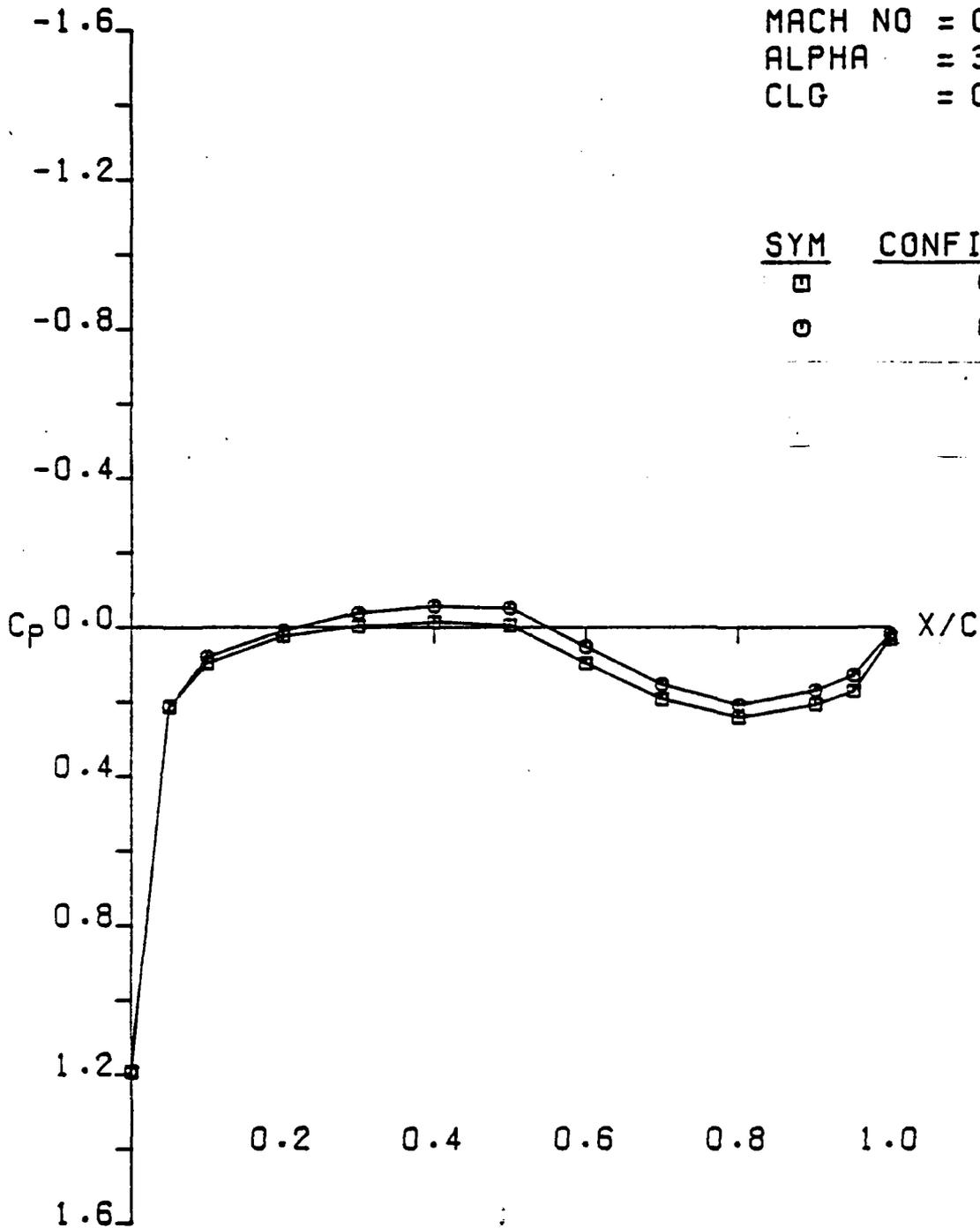
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS MID (LWR SURF ETA.213)
 AFOSR SEMISPAN MODEL 3

MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473

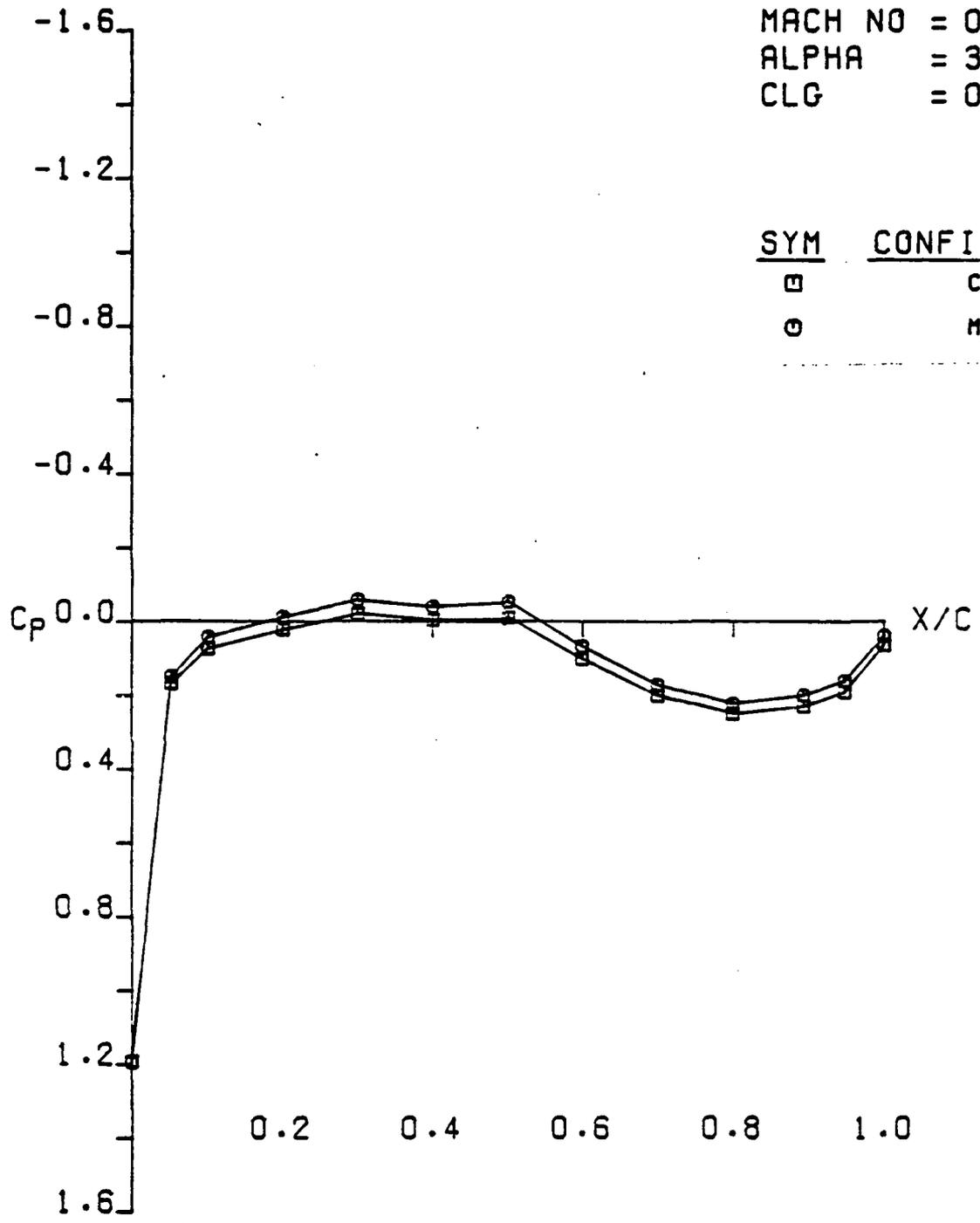
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS MID (LWR SURF ETA.4)
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473

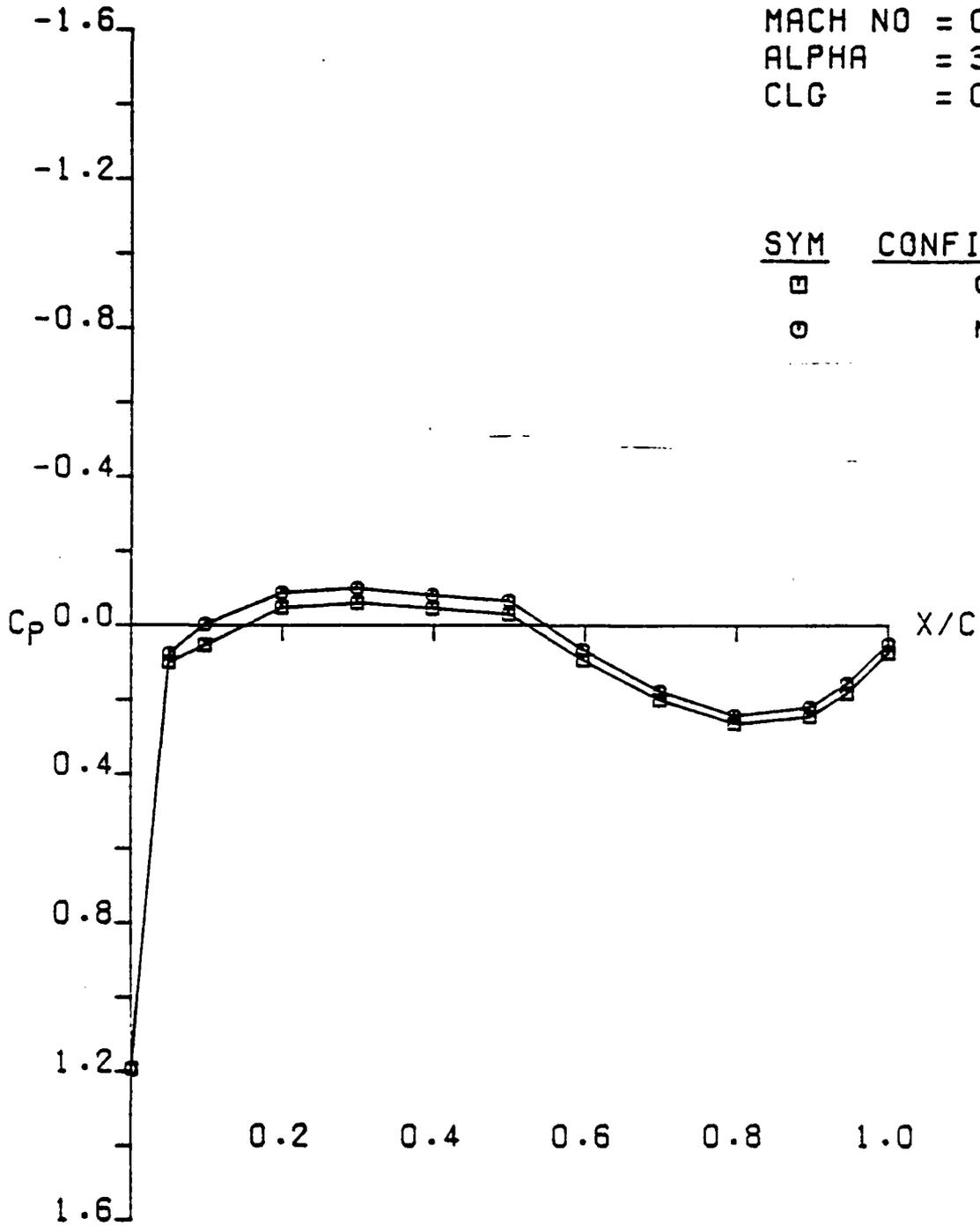
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS MID (LWR SURF ETA.60)
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473

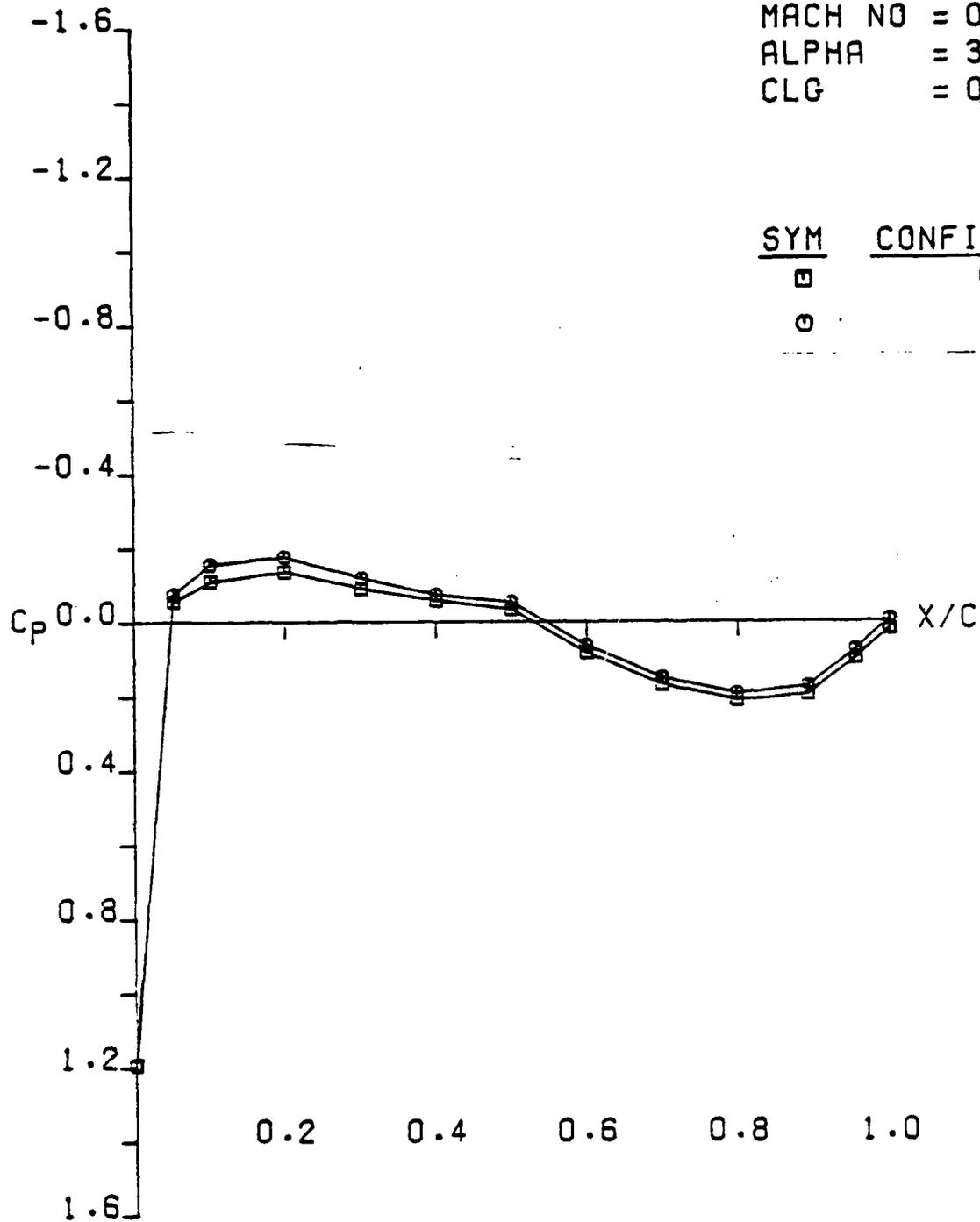
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS MID (LWR SURF ETA.8)
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473

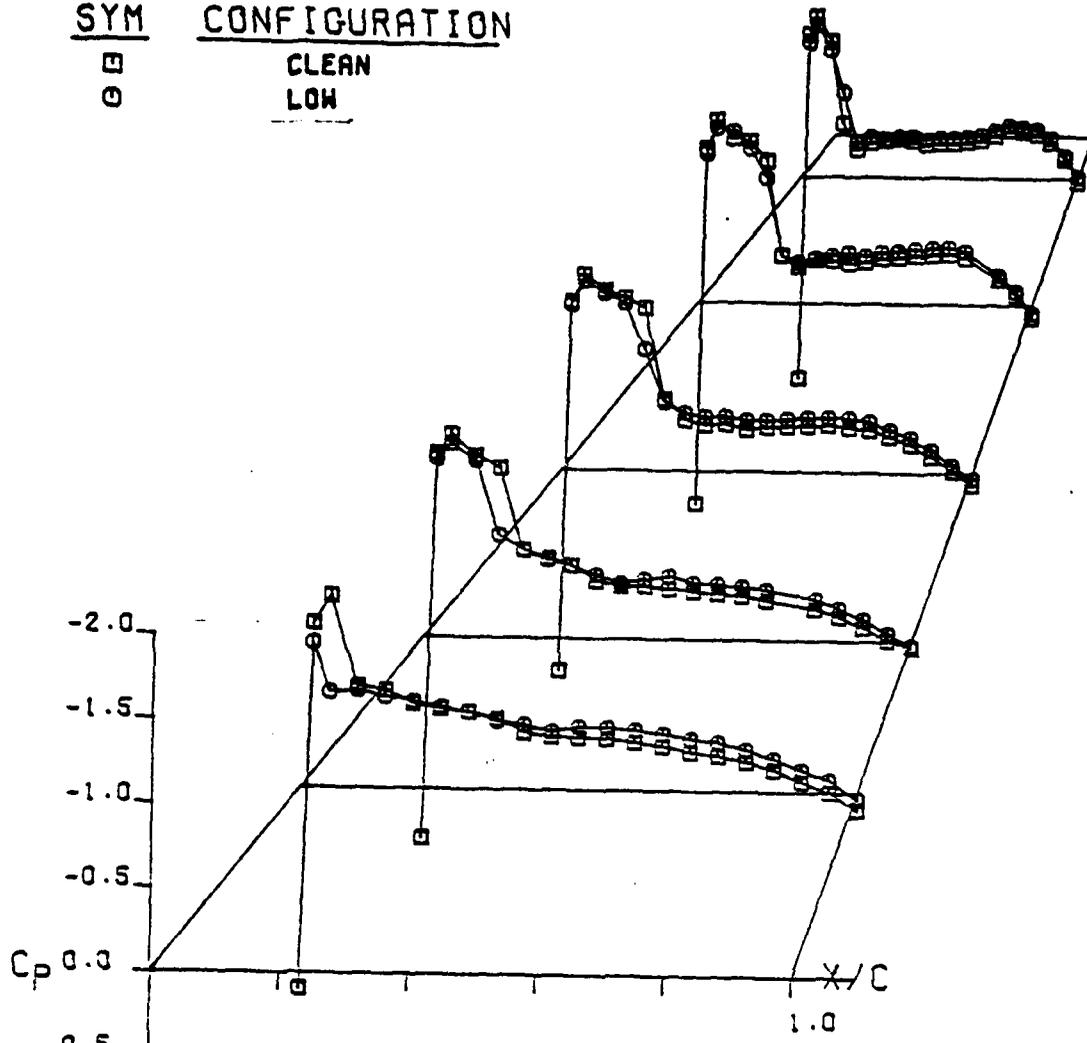
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS MID (LWR SURF ETA.95)
AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□ CLEAN
 ○ LOW

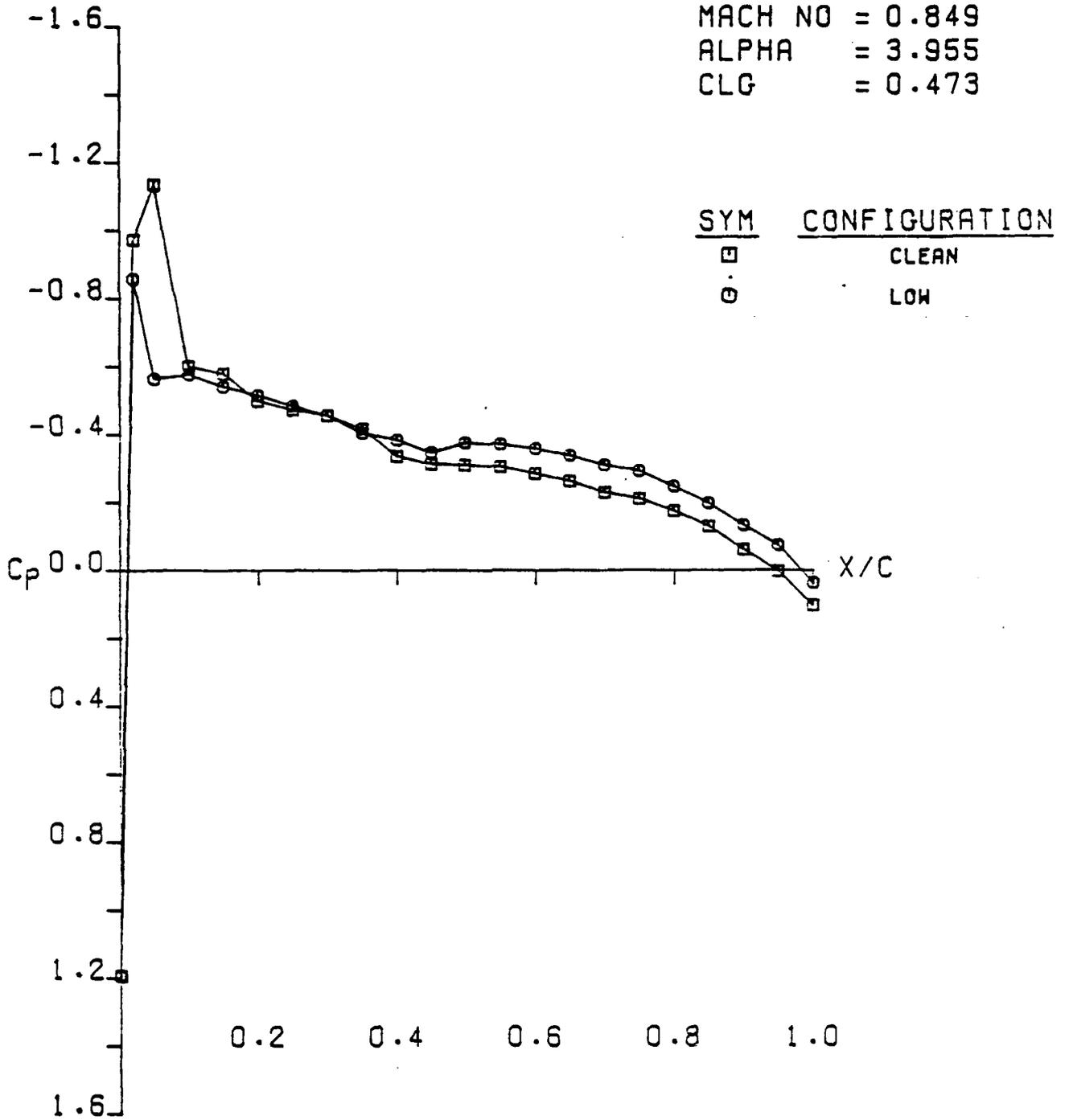


CONDITIONS

MACH NO = 0.849
 ALPHA = 3.955
 CL = 0.473
 CD = 0.033
 CM = -0.063
 CLG = 0.473

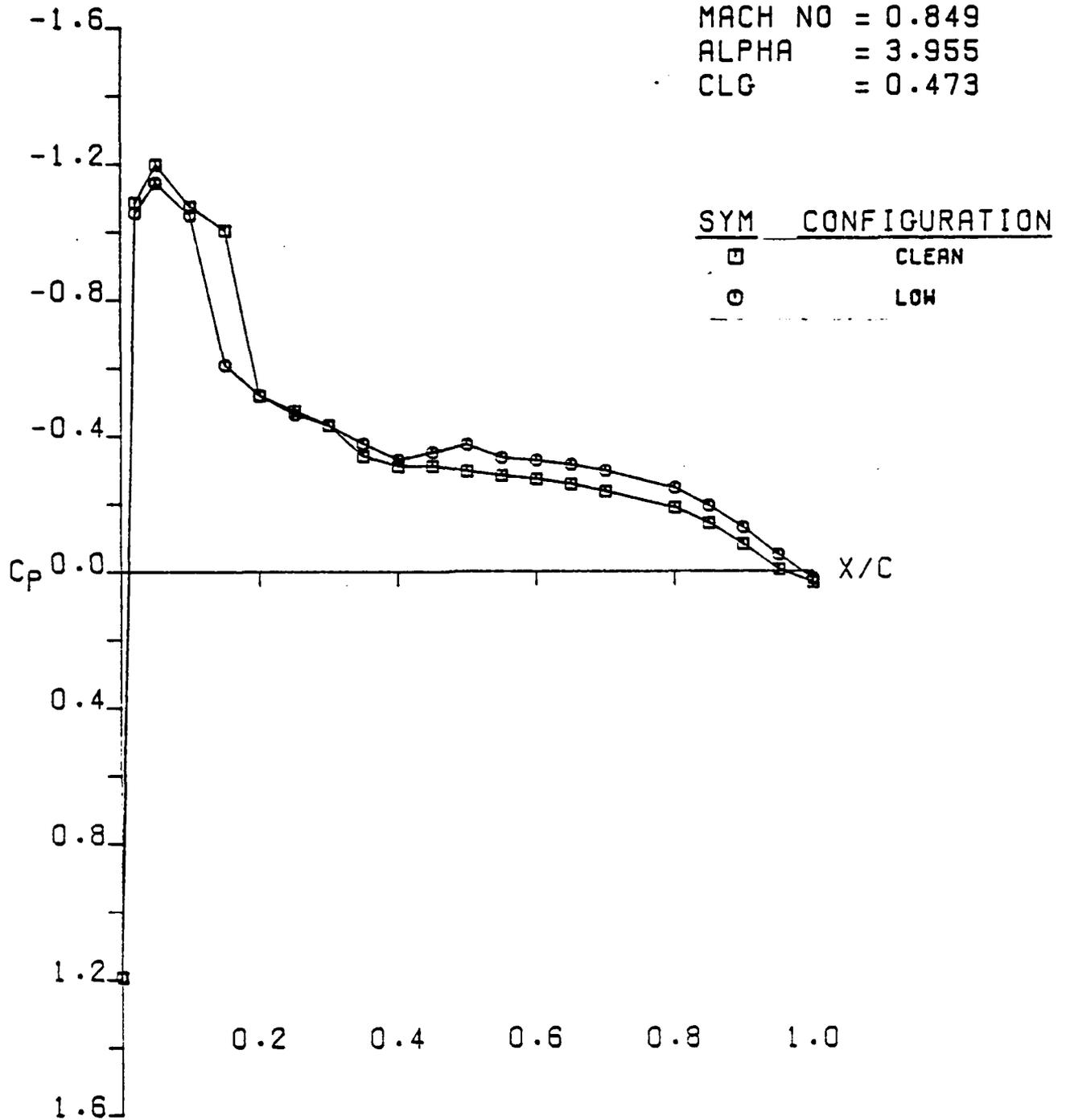
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS LOW (UPR SURF)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473



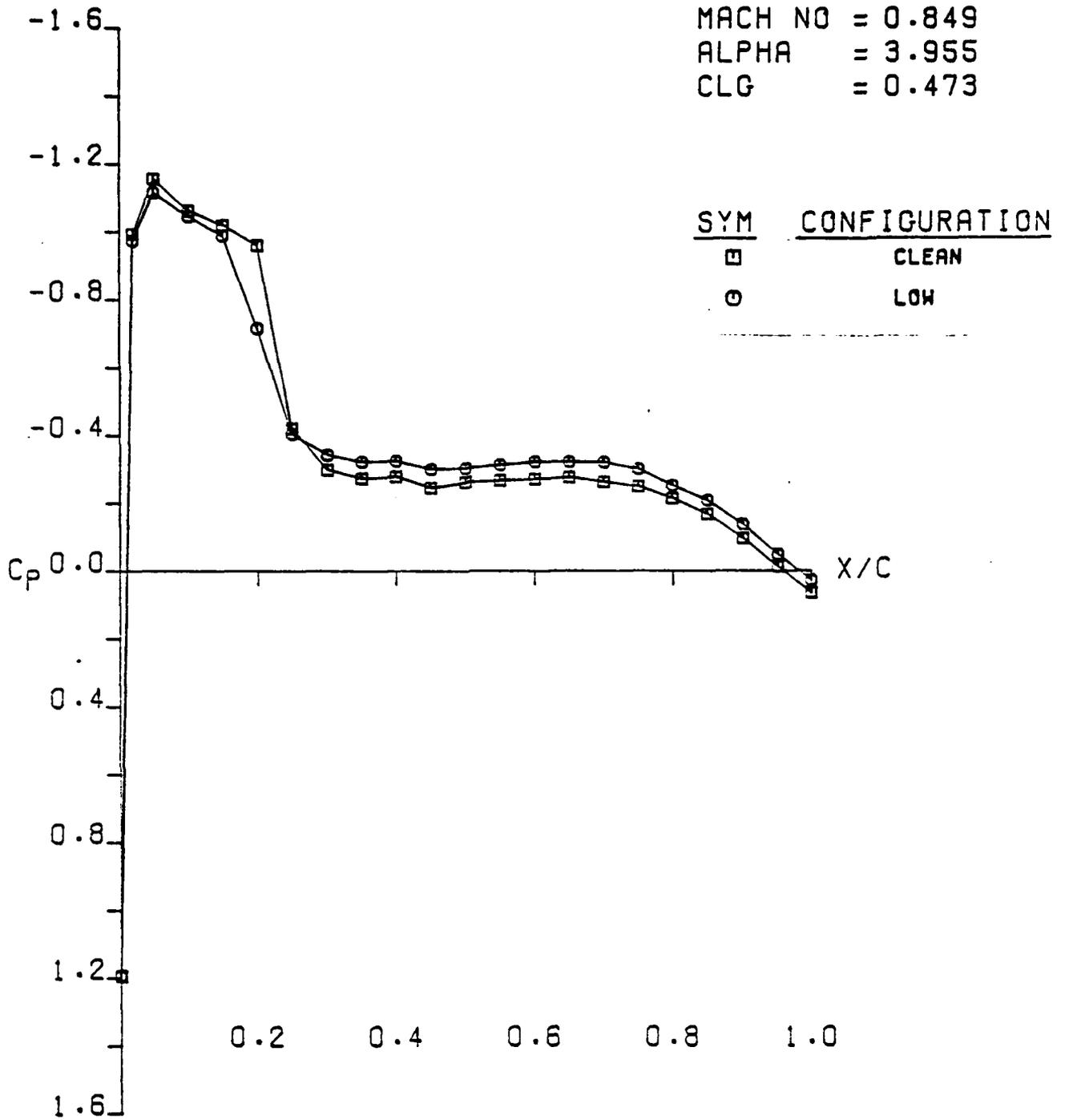
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS LOW (UPR SURF ETA.216)
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS LOW (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B

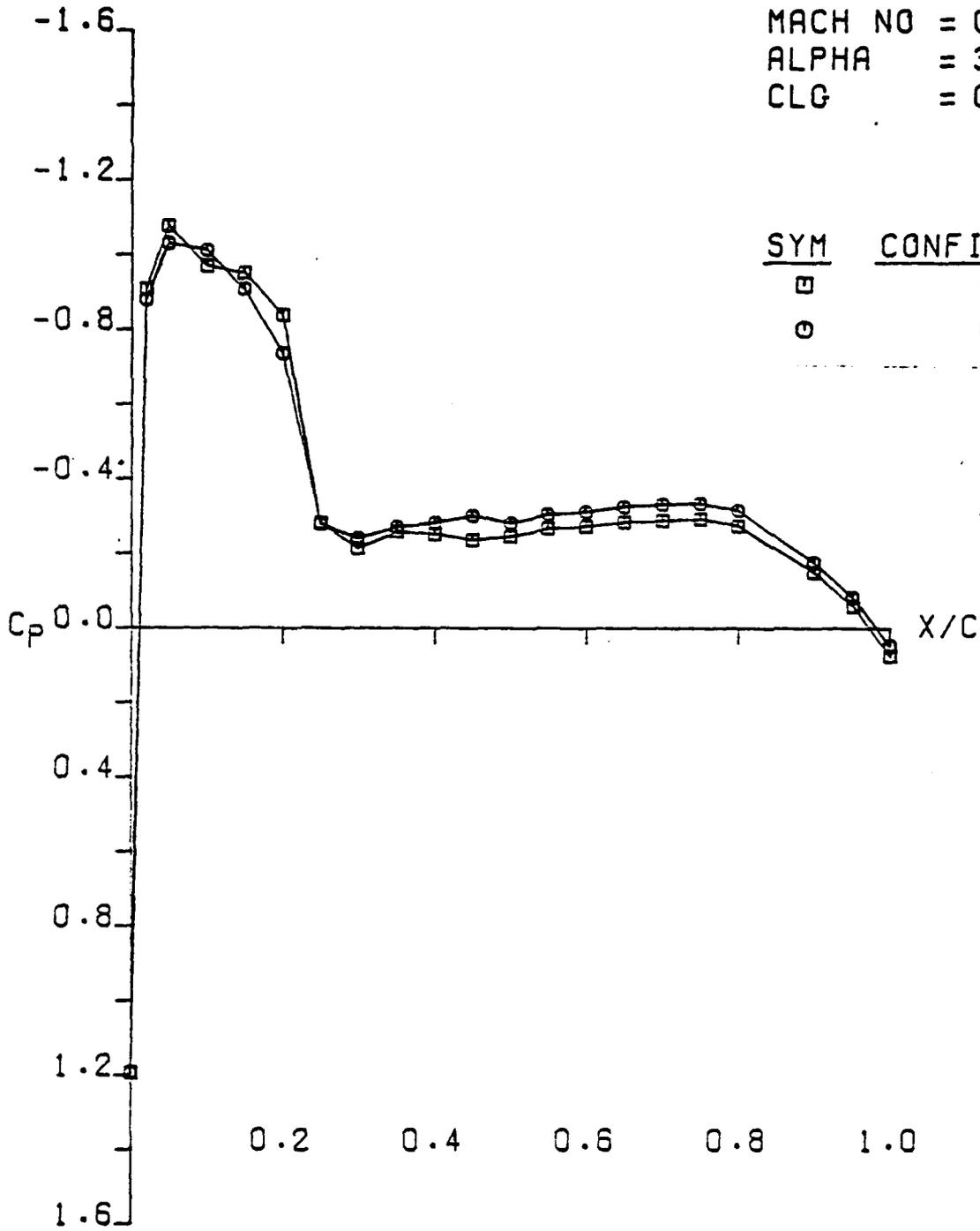
MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS LOW (UPR SURF ETA .60)
AFOSR SEMISPAN MODEL B

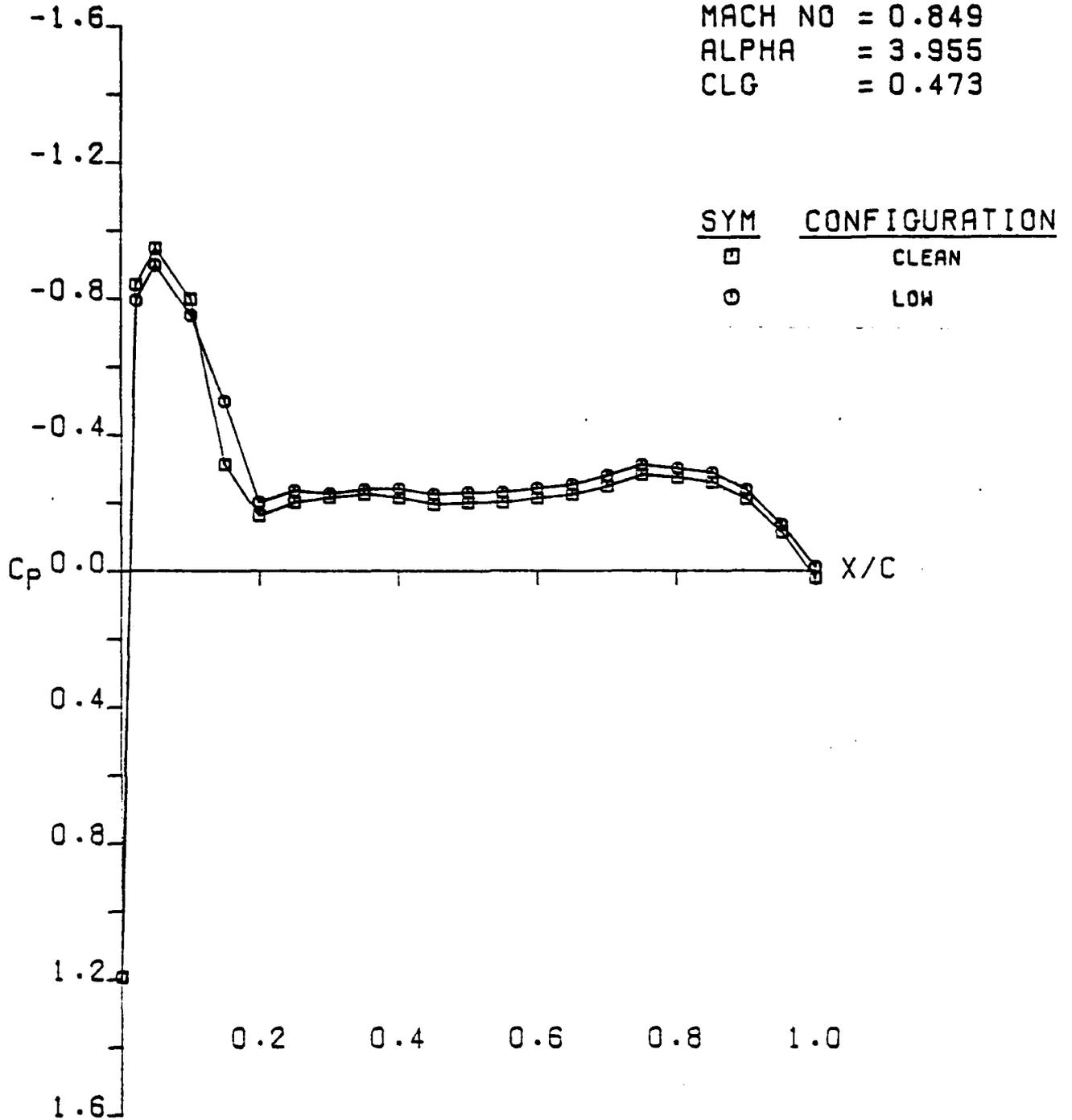
MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS LOW (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B

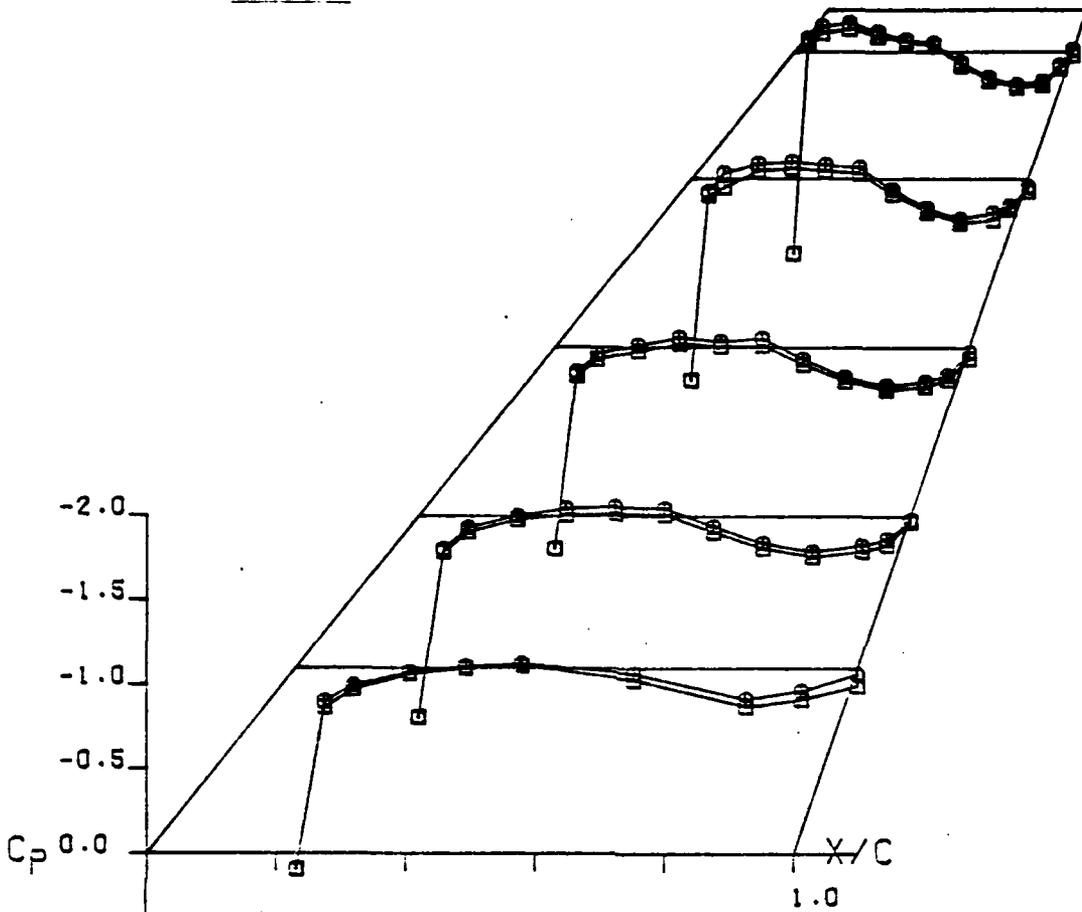
MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473



LOCKHEED CFWT SEMI-SPAN TEST. RUN 16
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□ CLEAN
 ○ LOW



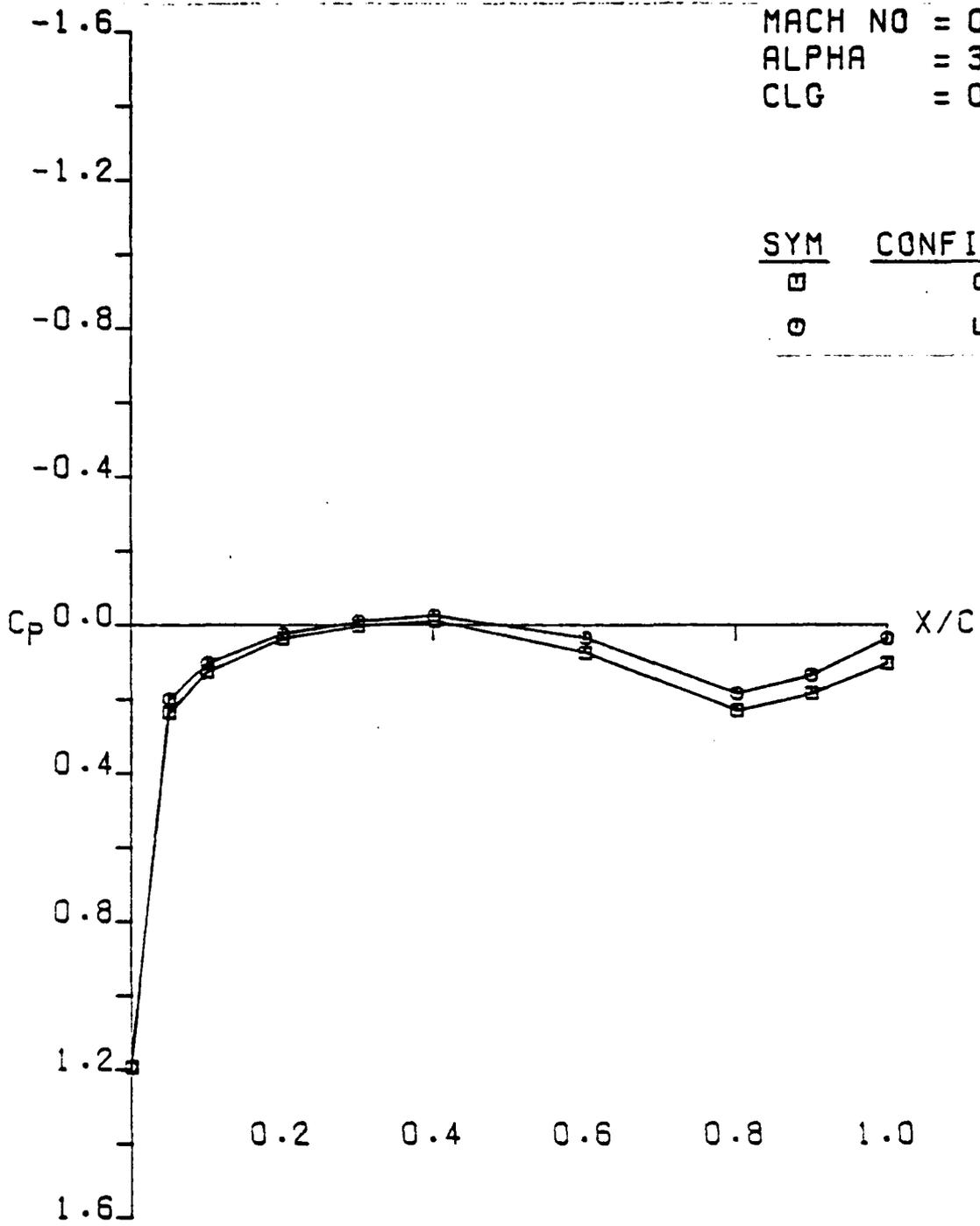
CONDITIONS

MACH NO = 0.849
 ALPHA = 3.955
 CL = 0.473
 CD = 0.033
 CM = -0.063
 CLG = 0.473

LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849
 ALPHA = 3.955
 CLG = 0.473

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 CLN VS LOW (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.849

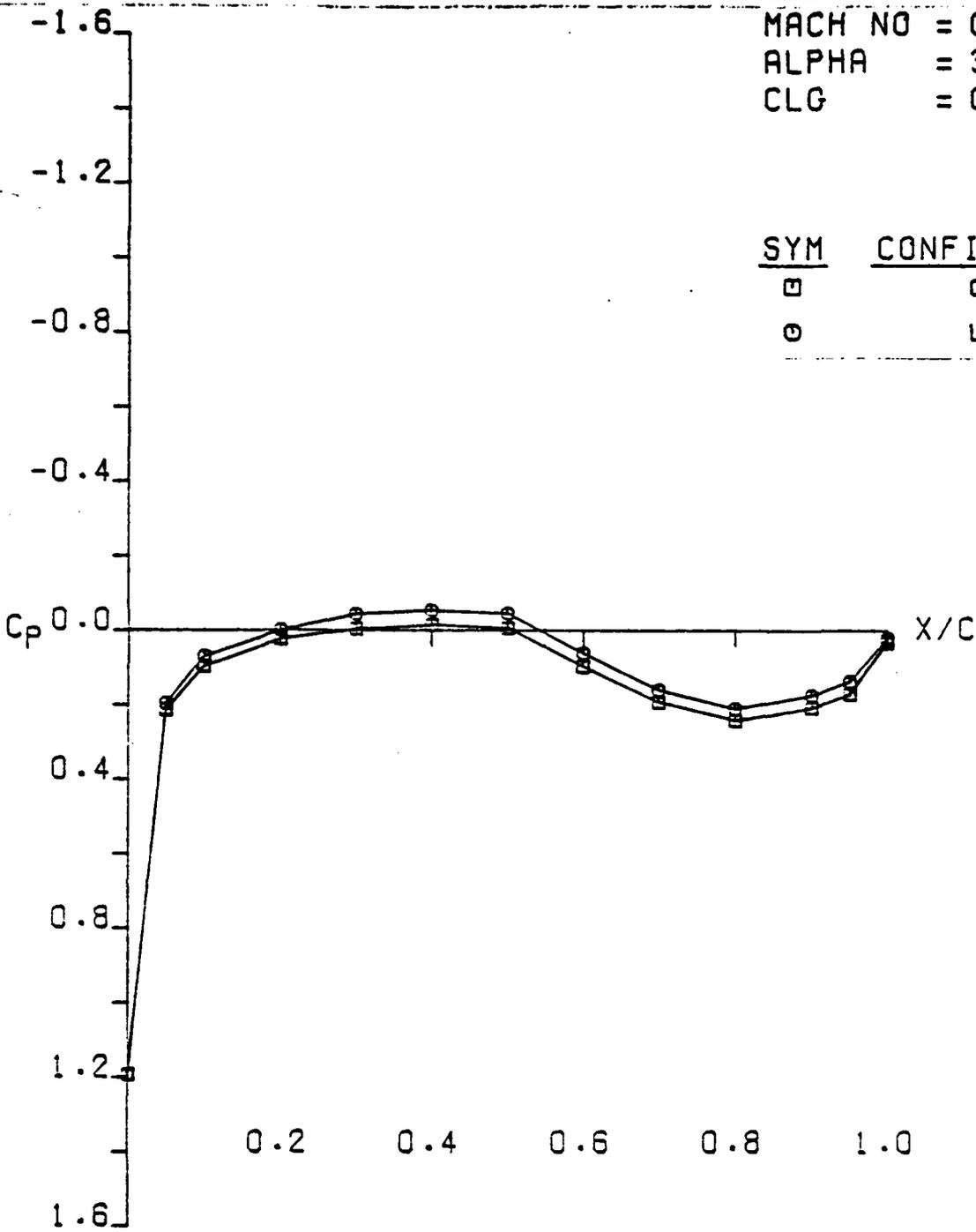
ALPHA = 3.955

CLG = 0.473

SYM CONFIGURATION

□ CLEAN

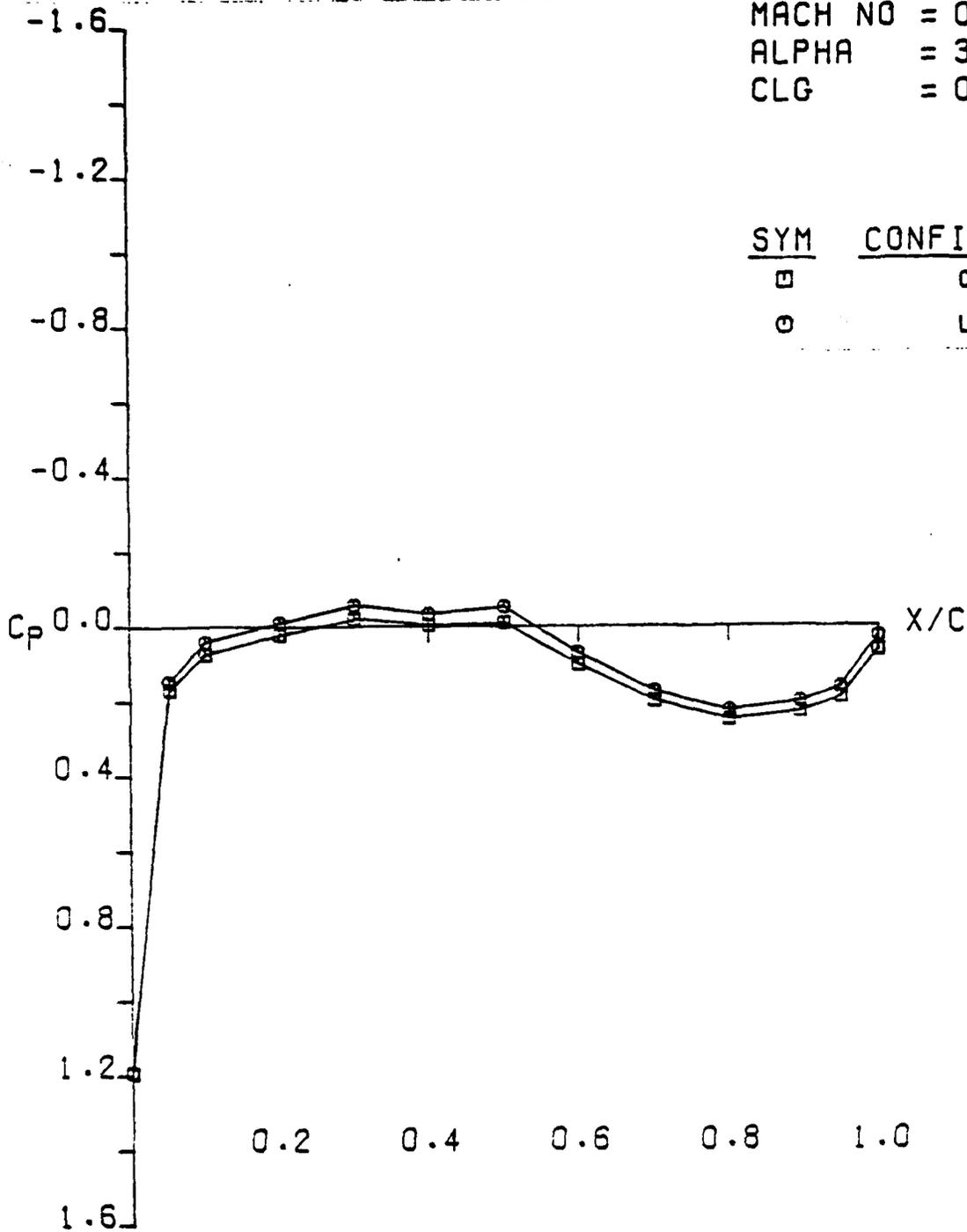
○ LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS LOW (LWR SURF ETA.4)
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473

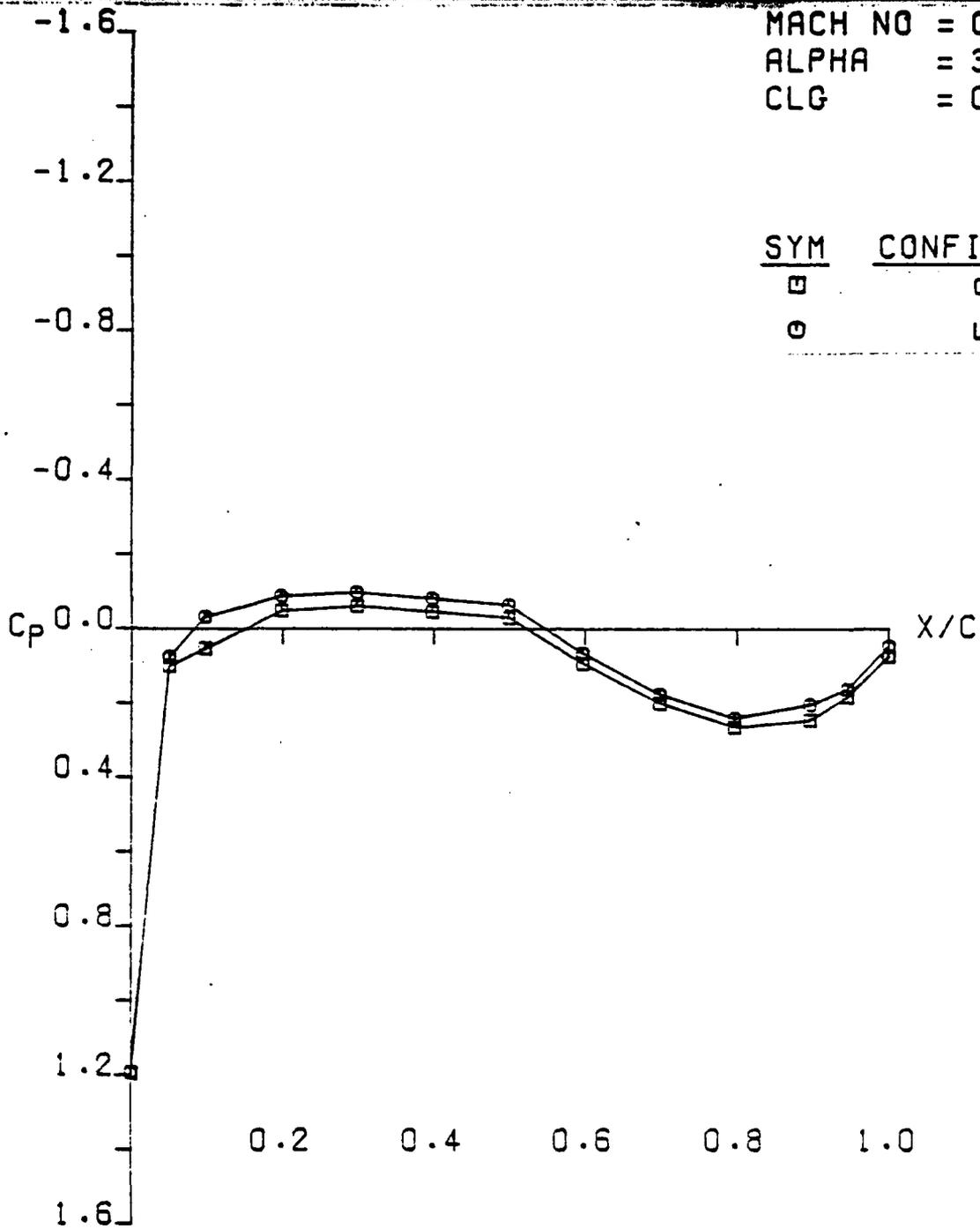
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS LOW (LWR SURF ETA.60)
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473

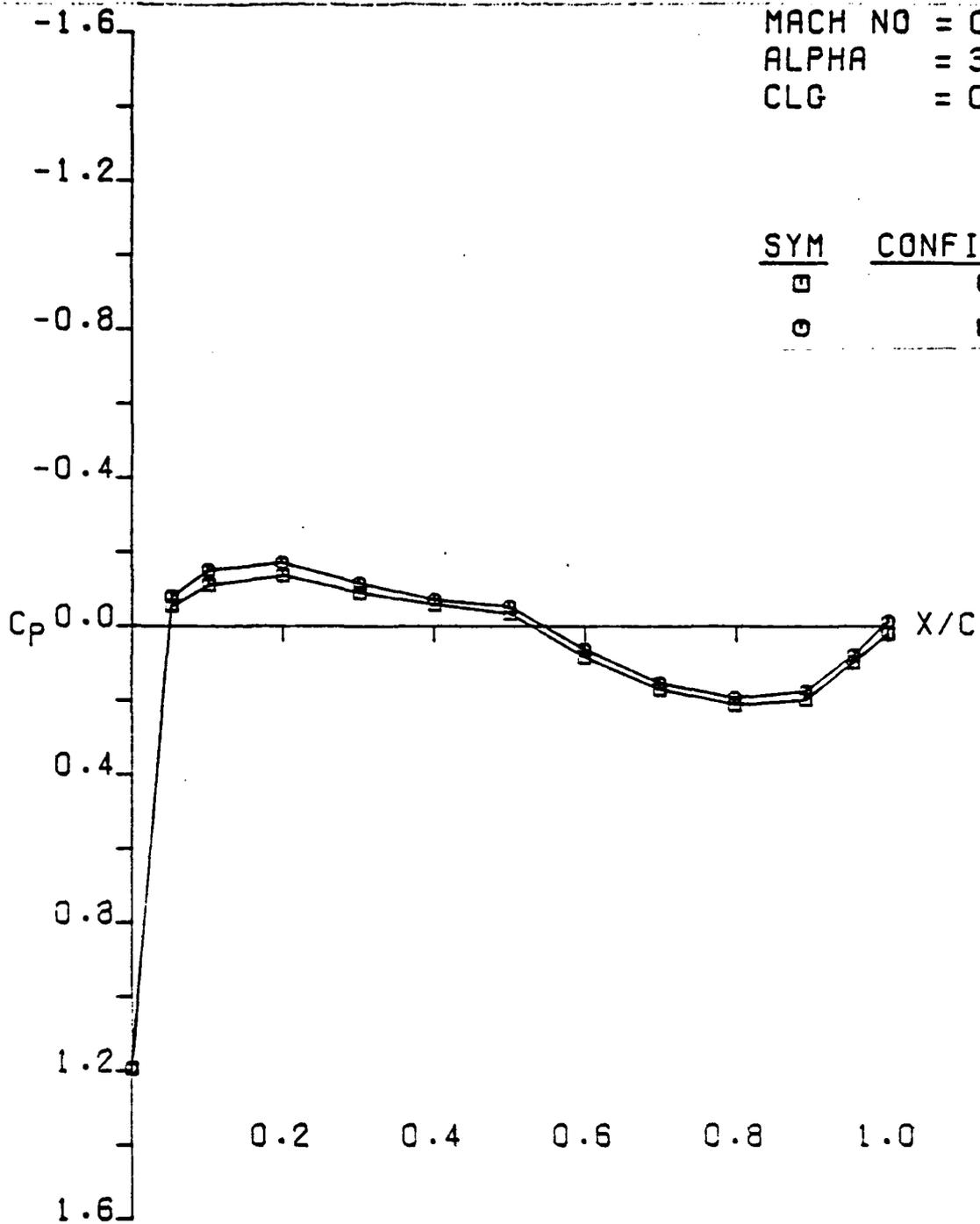
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS LOW (LWR SURF ETA.8)
AFOSR SEMISPAN MODEL B

MACH NO = 0.849
ALPHA = 3.955
CLG = 0.473

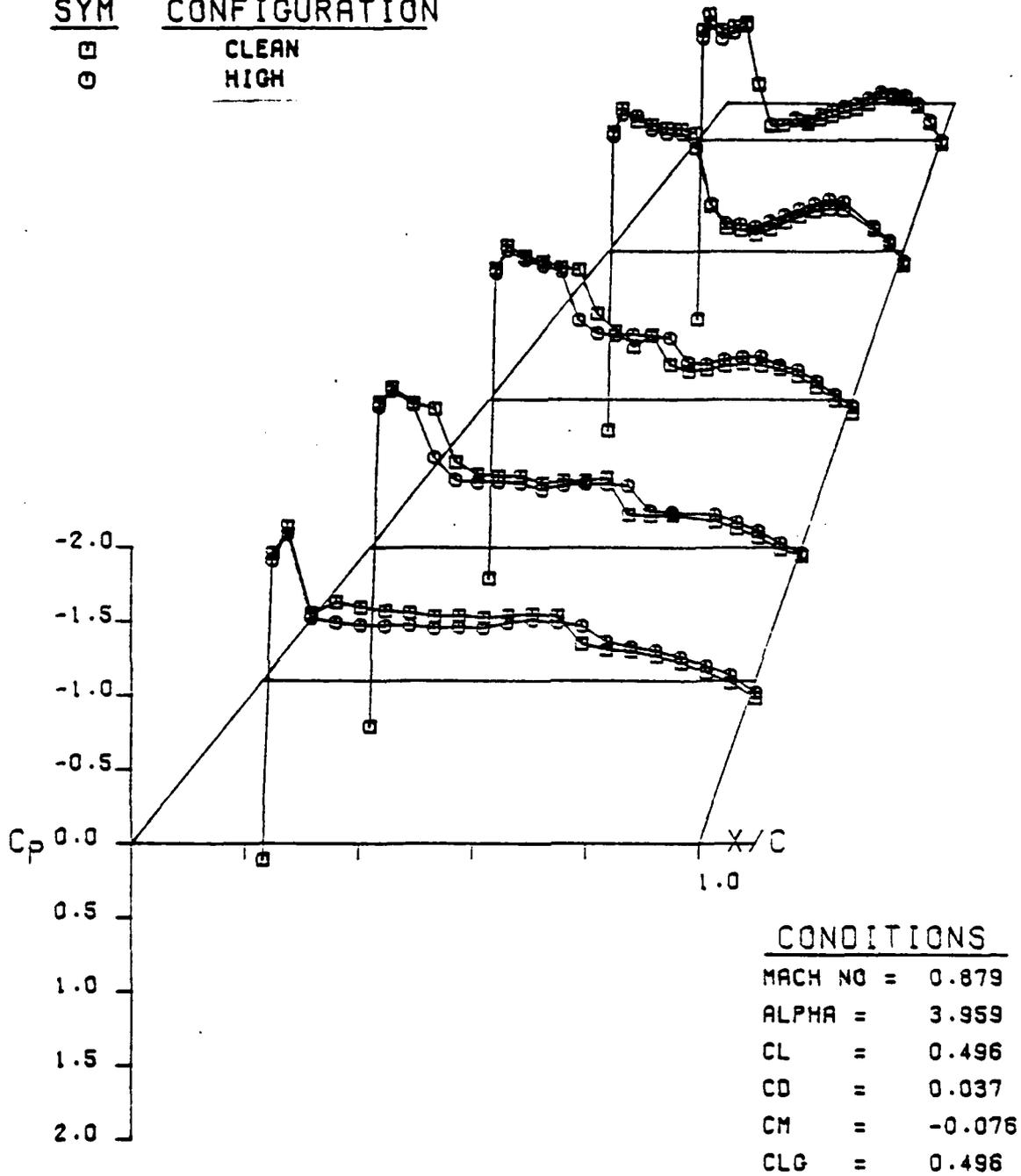
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



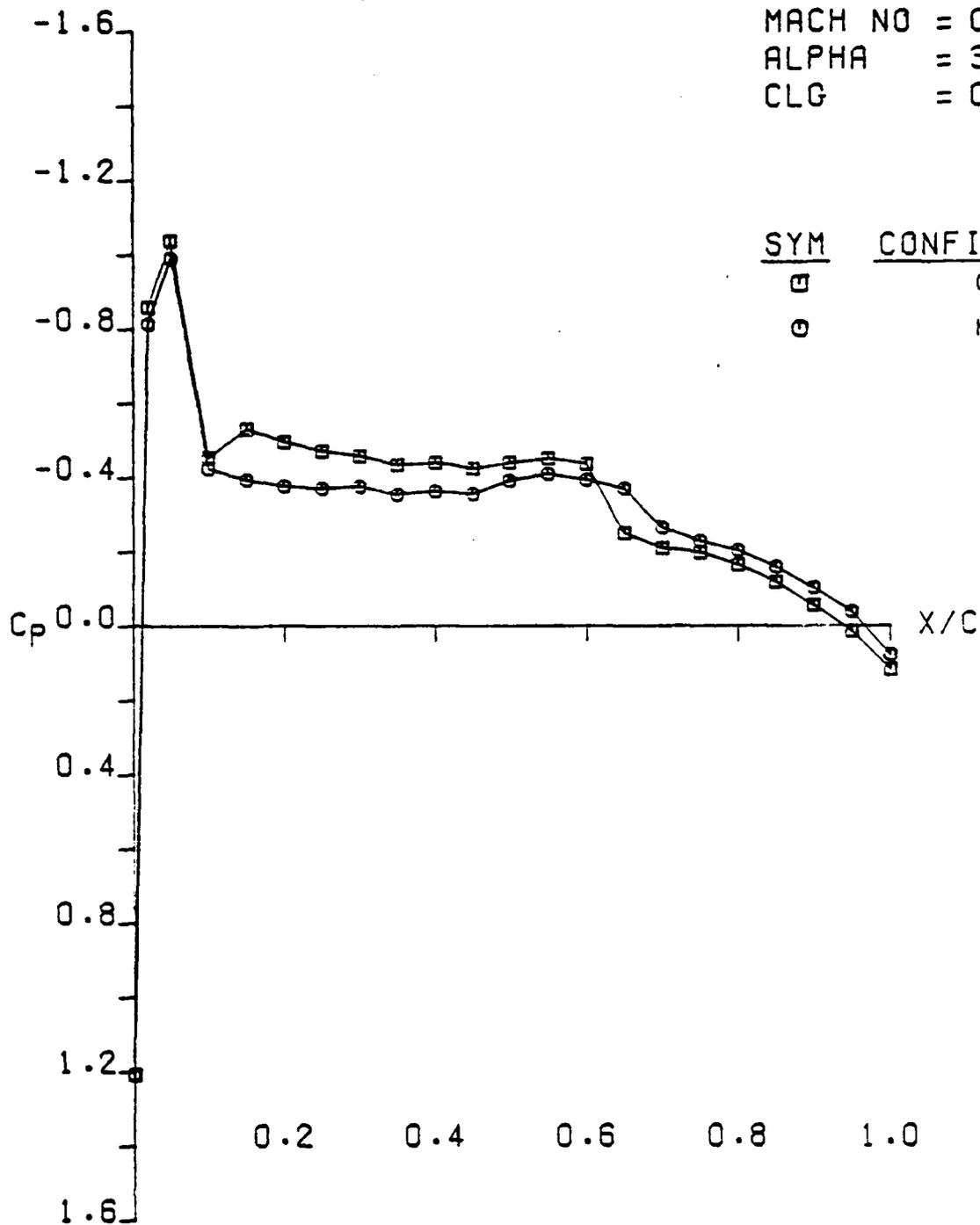
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
CLN VS LOW (LWR SURF ETA.95)
AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□ CLEAN
 ○ HIGH



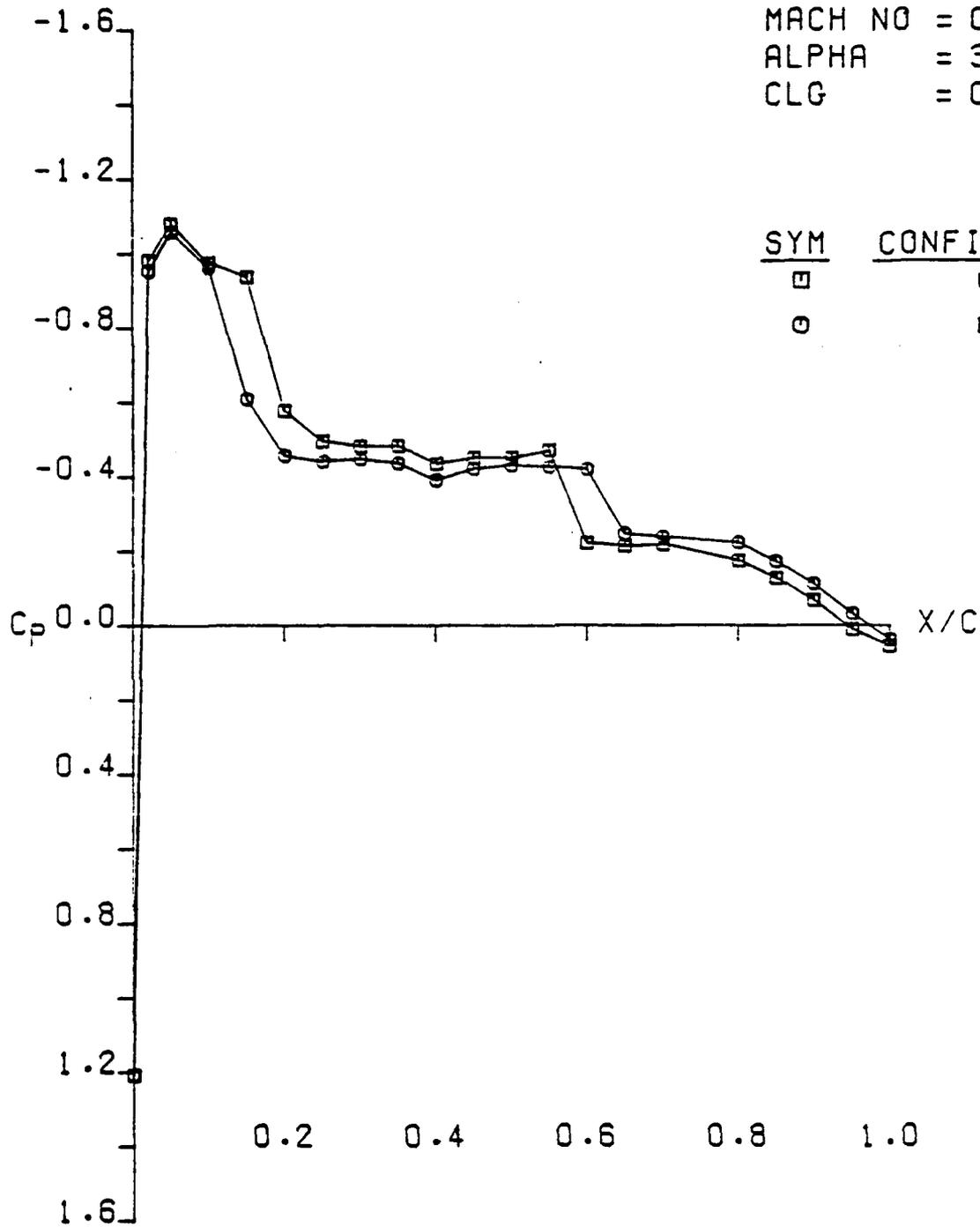
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

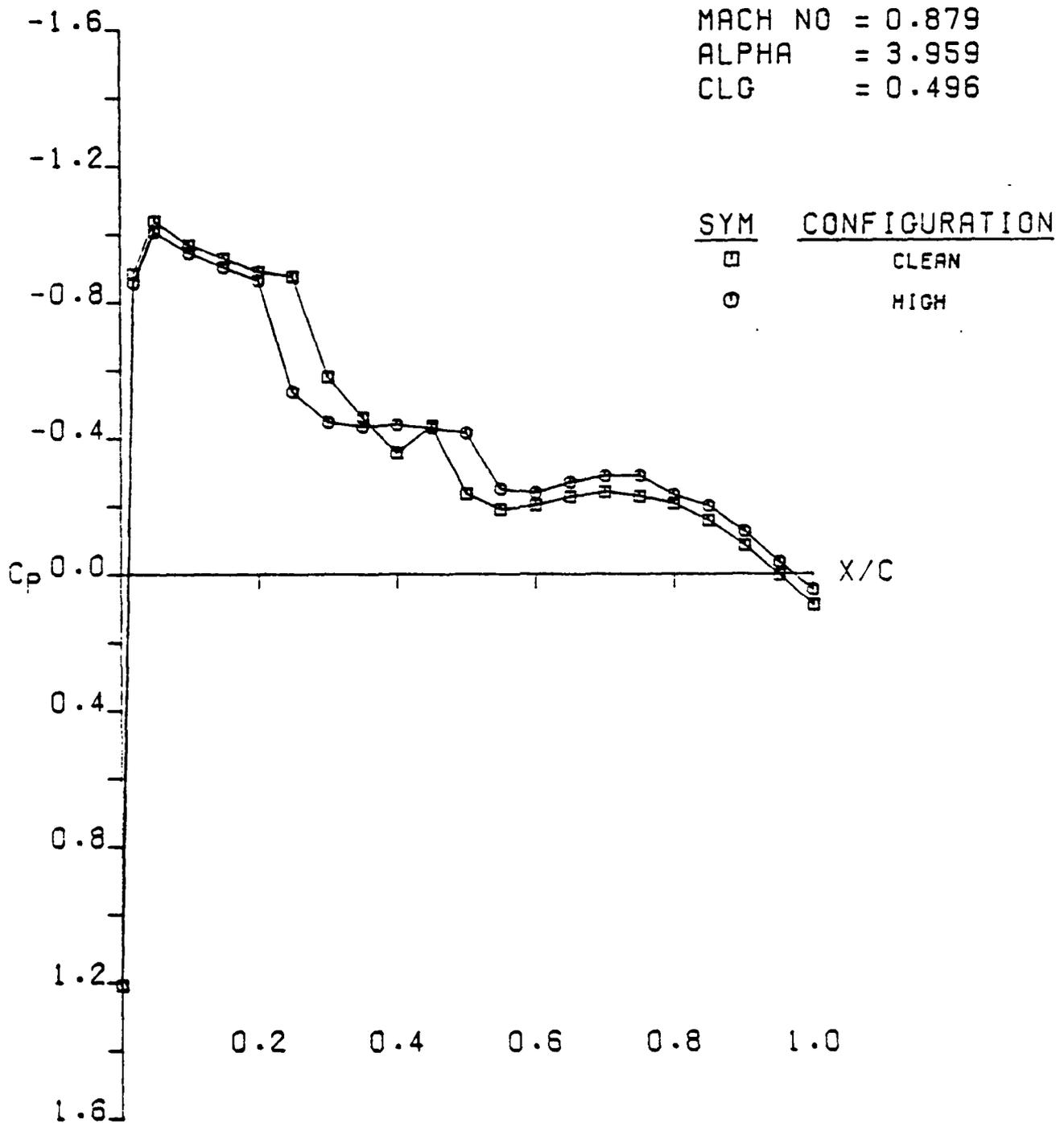
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



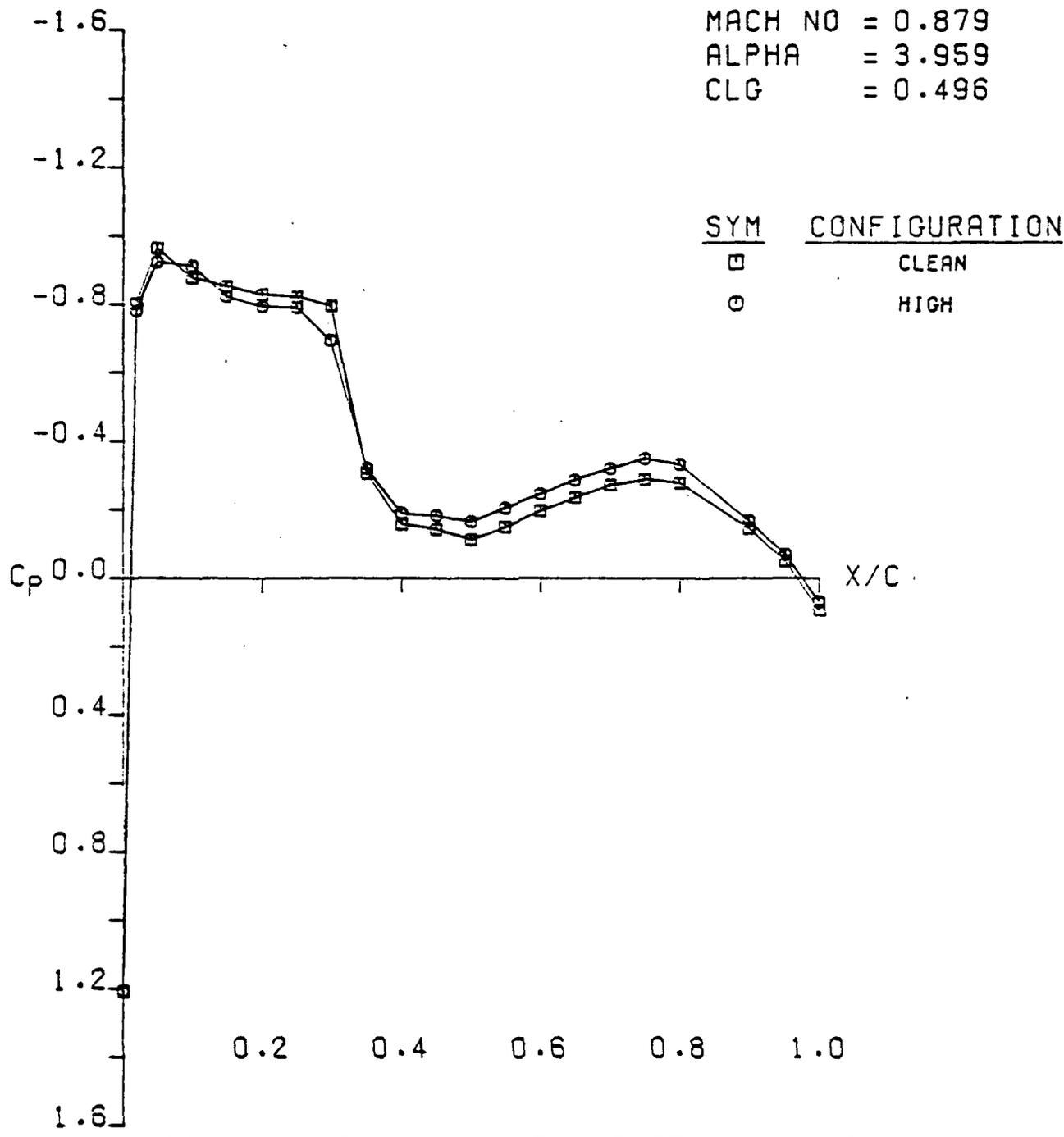
MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

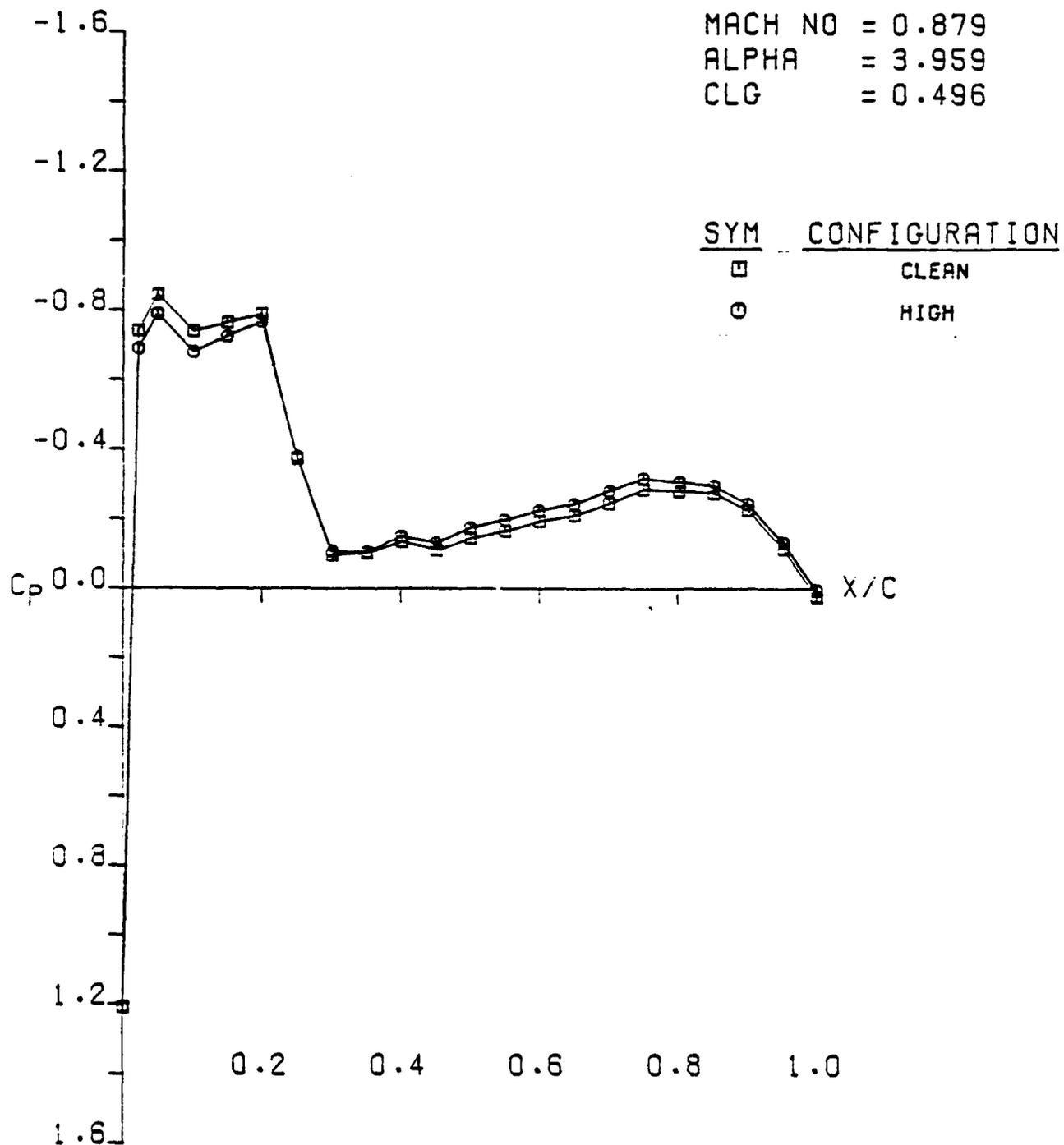
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B



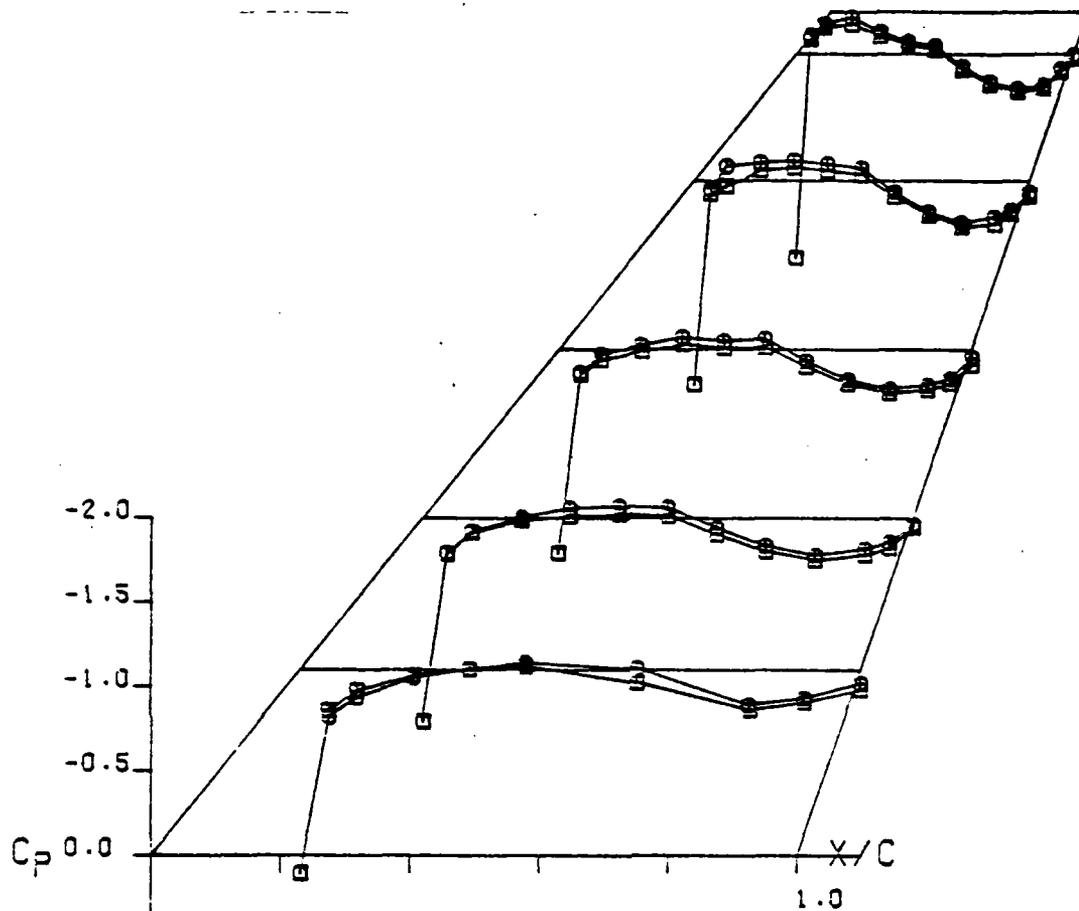
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

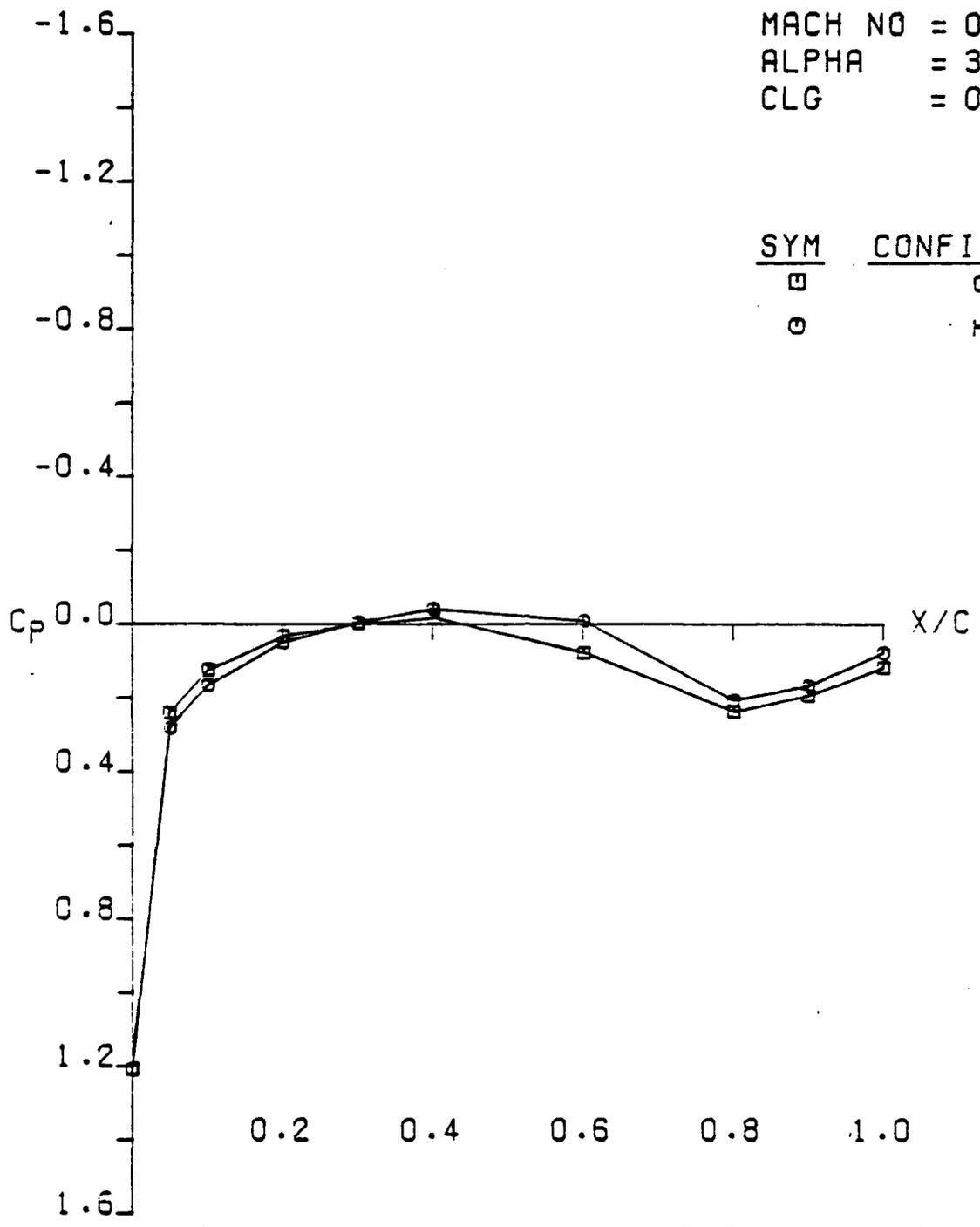
□ CLEAN
 ○ HIGH



CONDITIONS

MACH NO = 0.879
 ALPHA = 3.959
 CL = 0.496
 CD = 0.037
 CM = -0.076
 CLG = 0.496

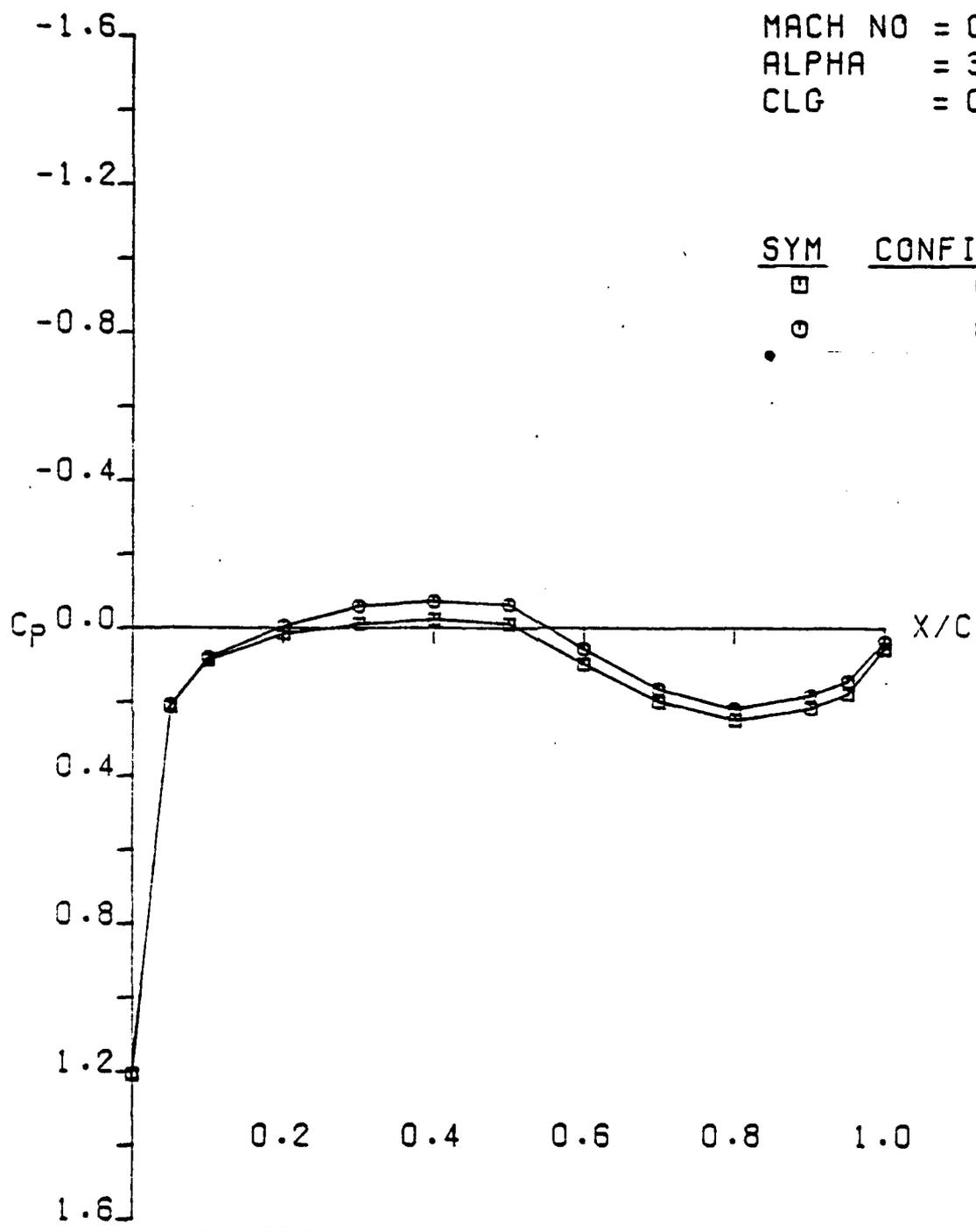
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (LWR SURF)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

SYM	CONFIGURATION
□	CLEAN
○	HIGH

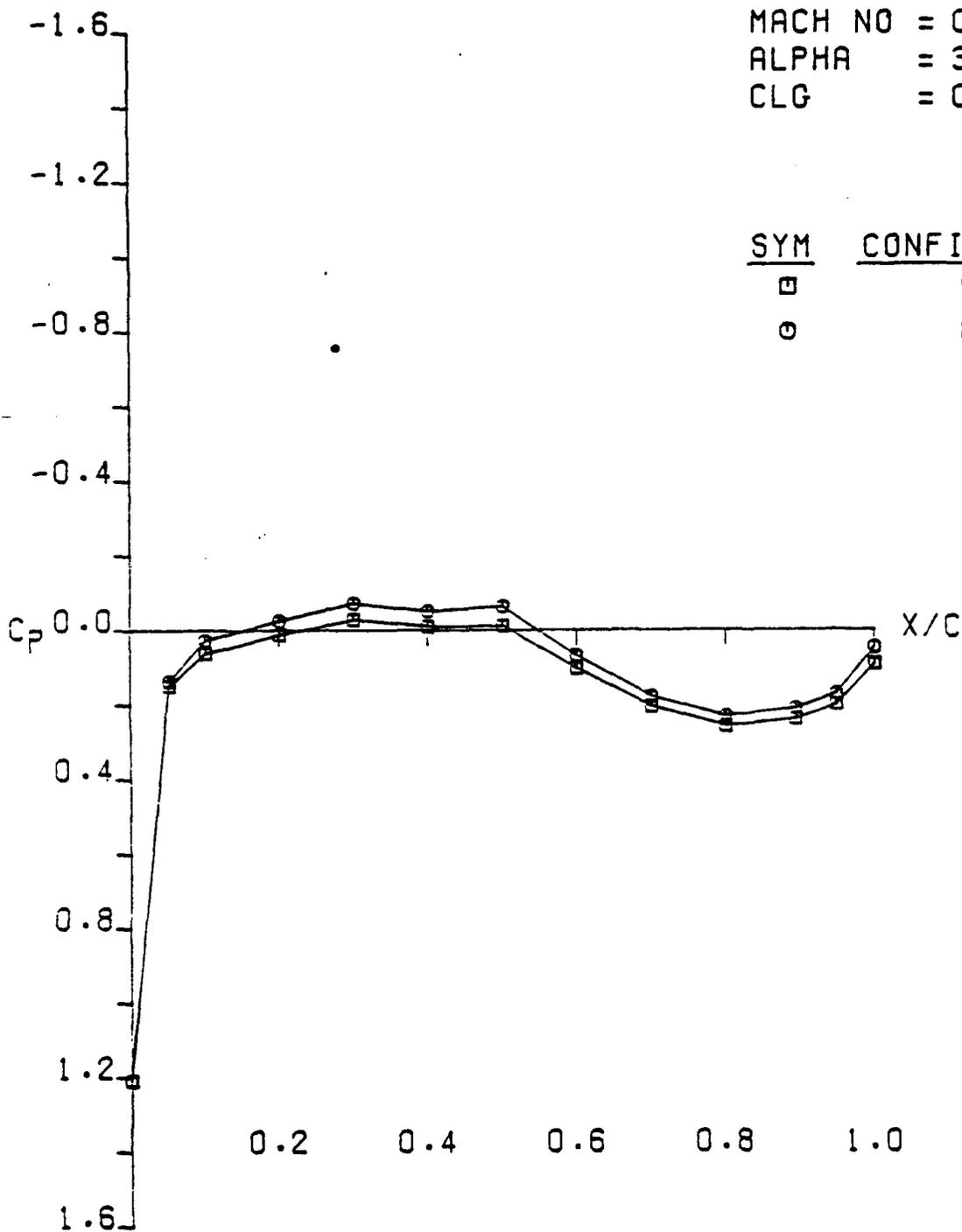
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

SYM	CONFIGURATION
□	CLEAN
○	HIGH

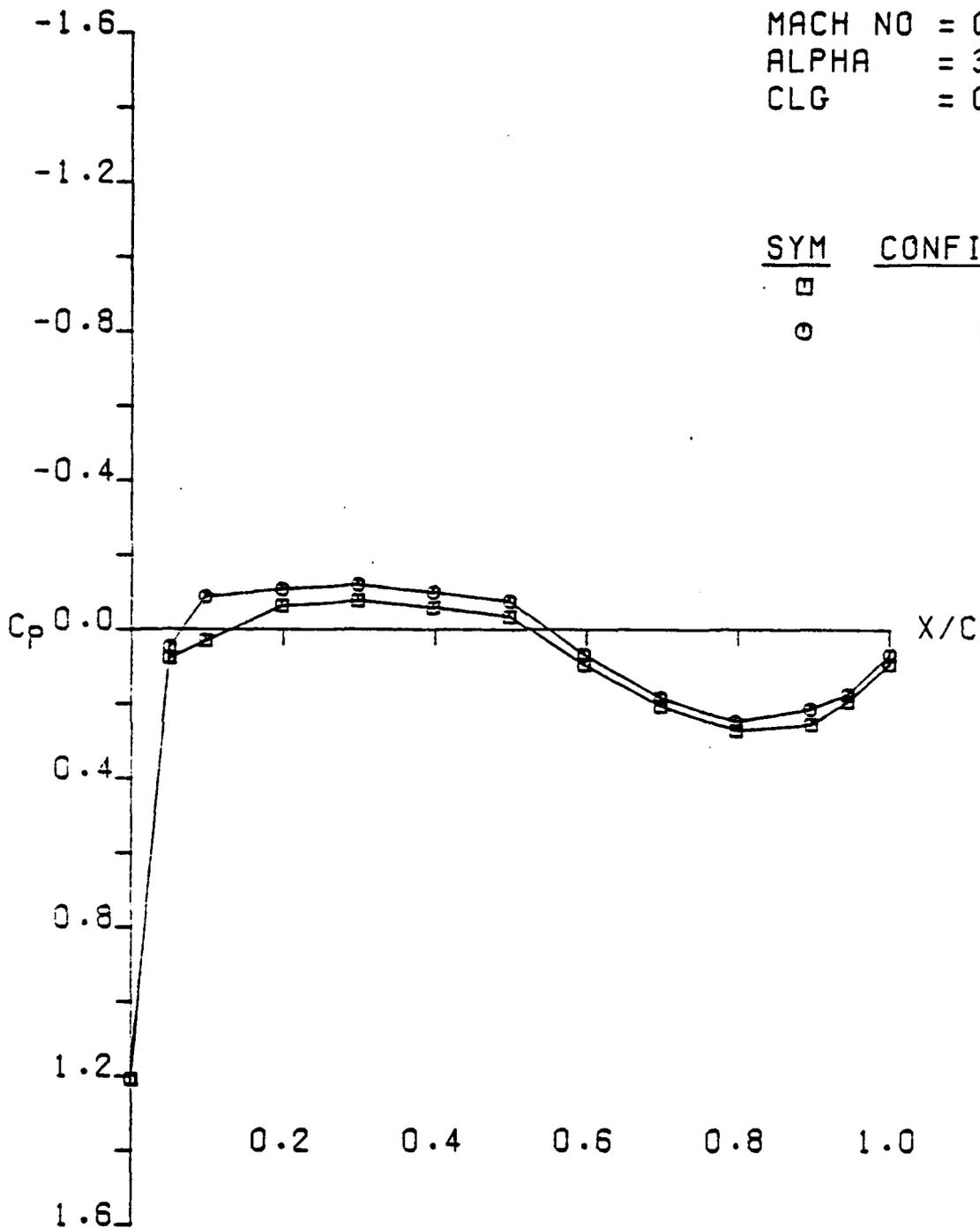
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

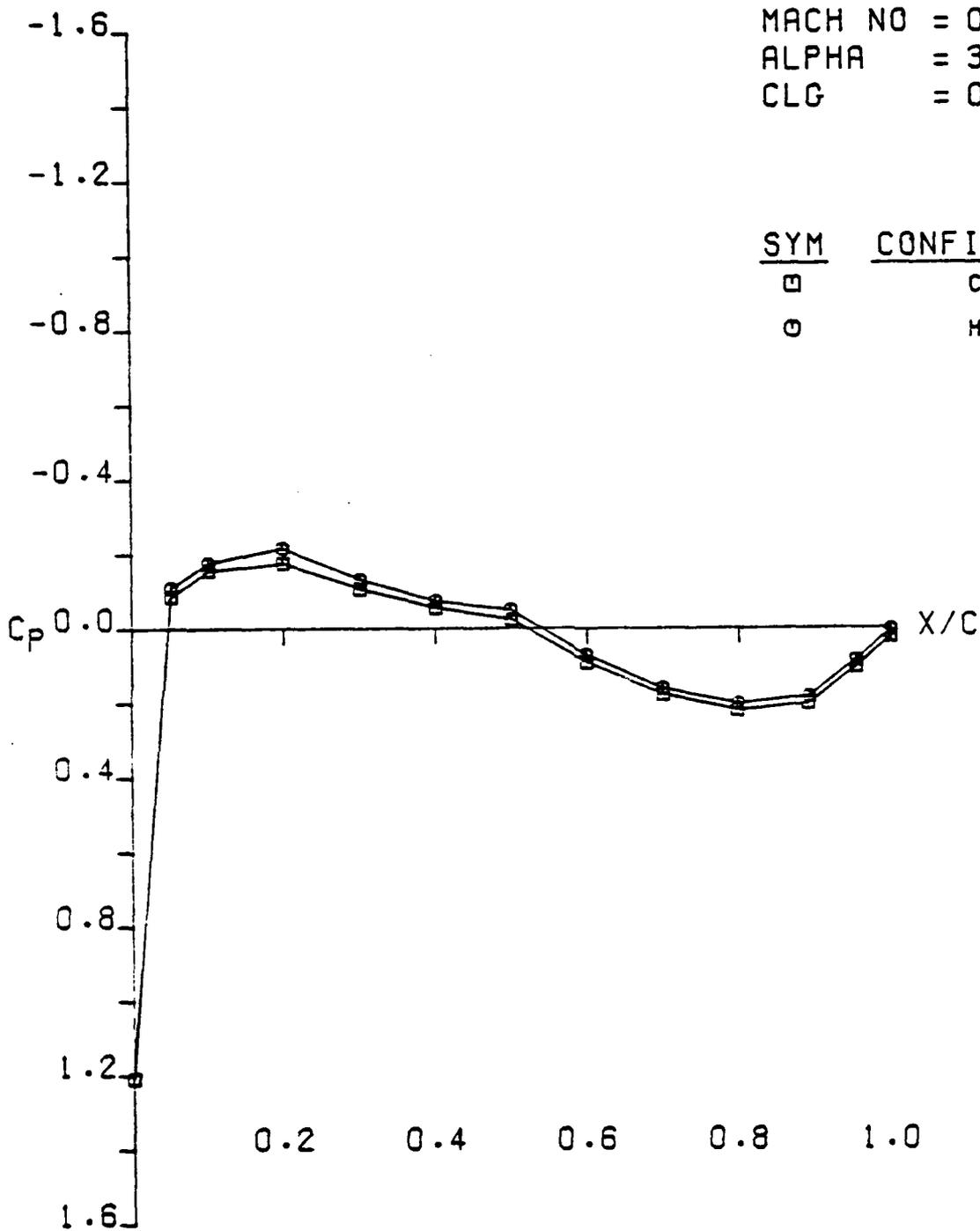
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B



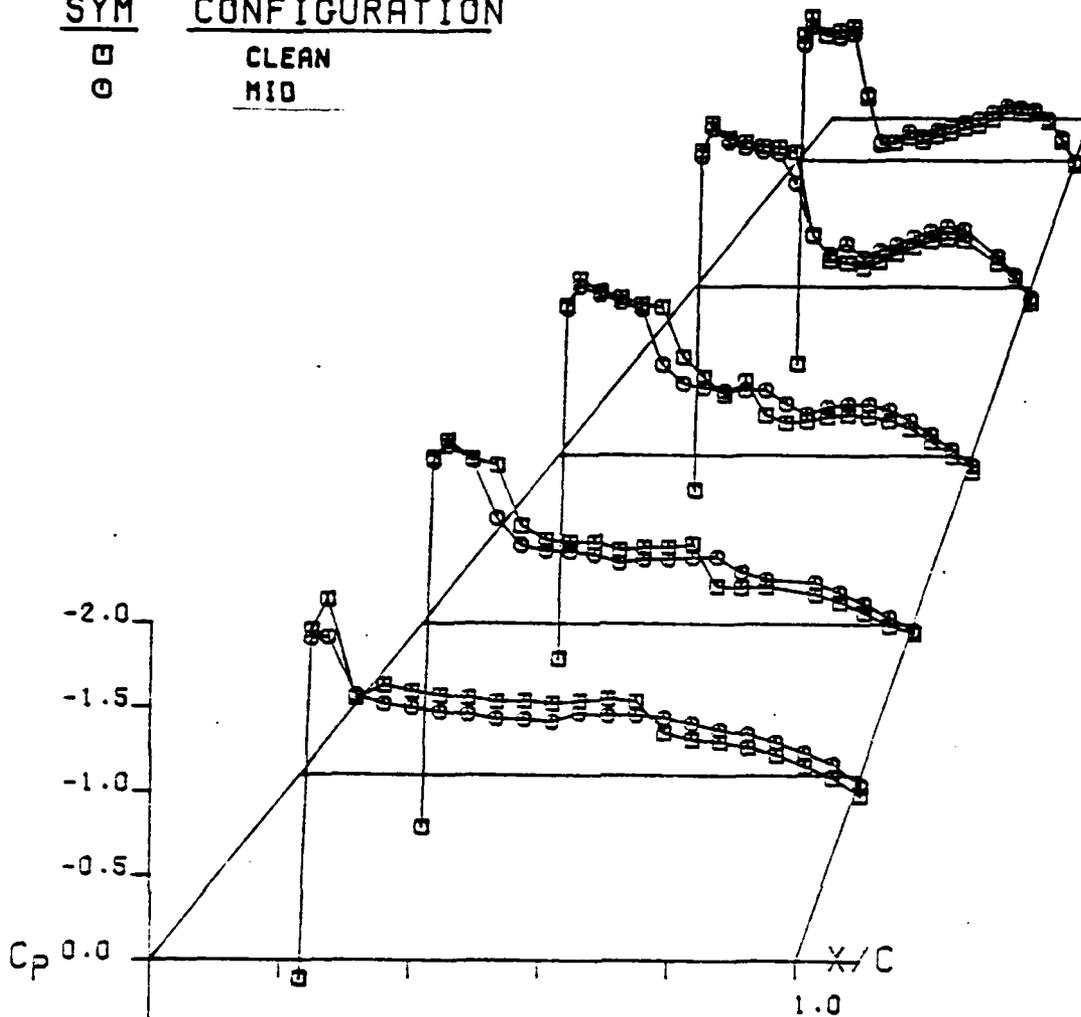
MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS HIGH (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

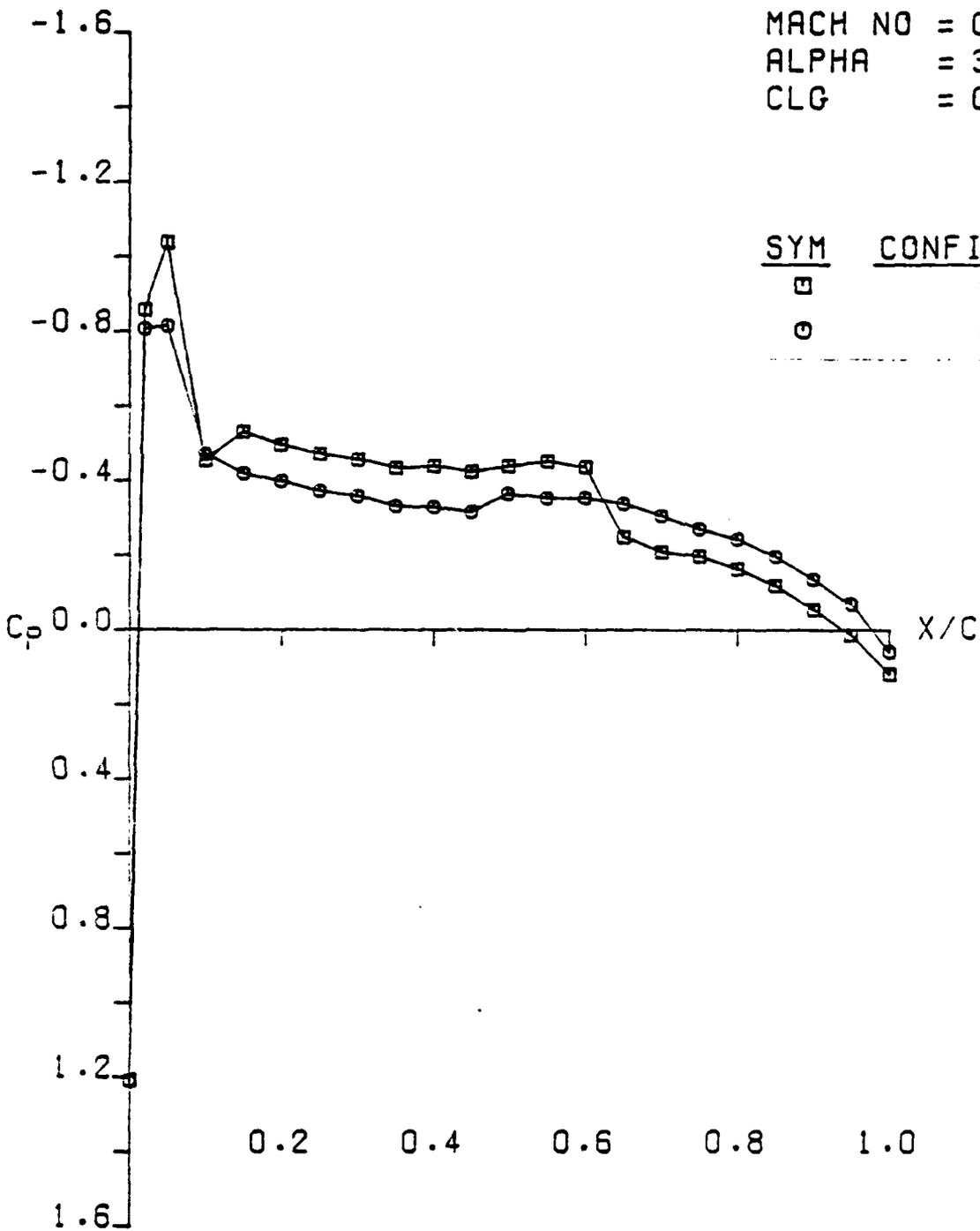
□ CLEAN
 ○ MID



CONDITIONS

MACH NO = 0.379
 ALPHA = 3.959
 CL = 0.496
 CD = 0.037
 CM = -0.076
 CLG = 0.496

LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL B

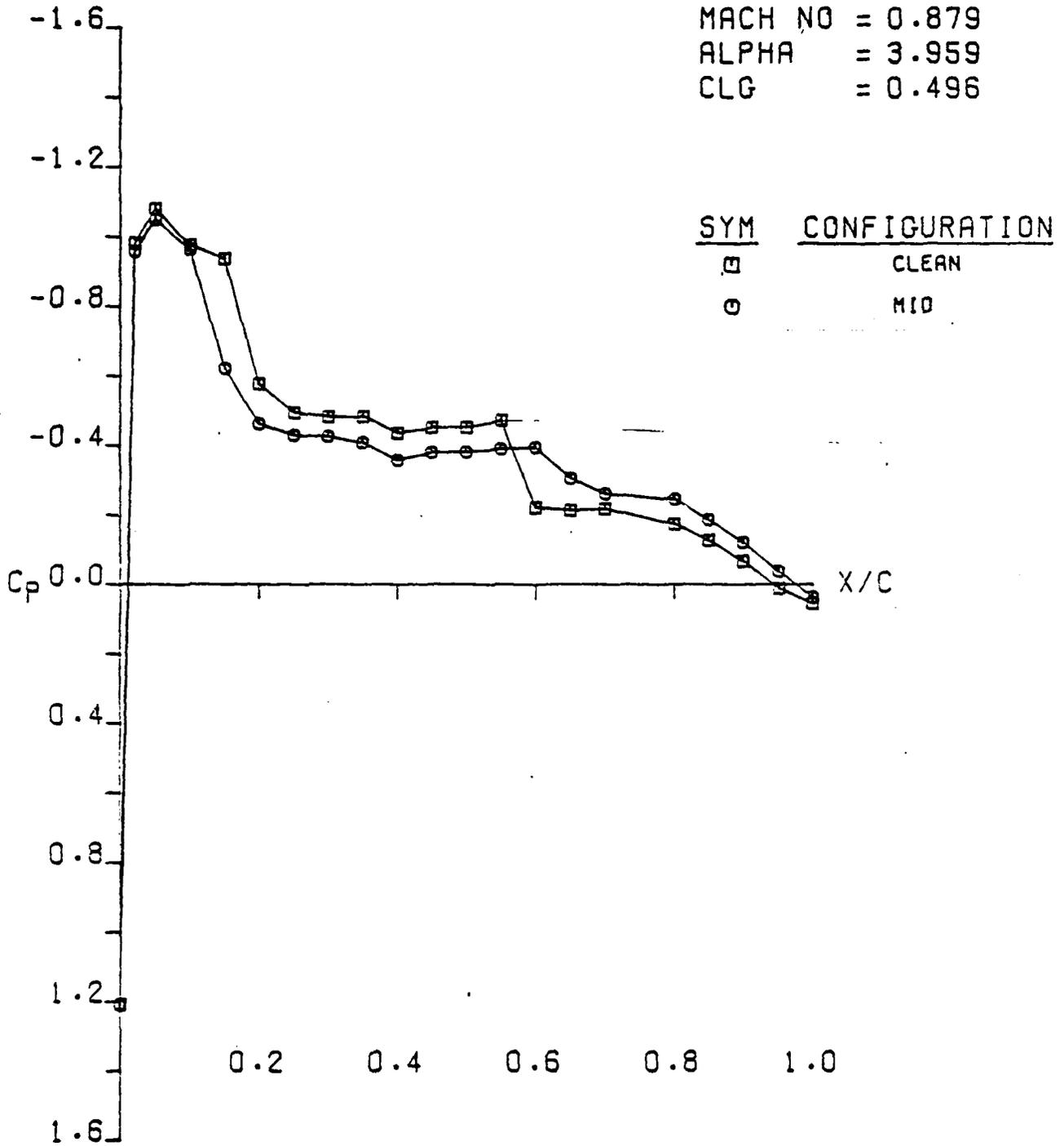


MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

SYM	CONFIGURATION
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL 8

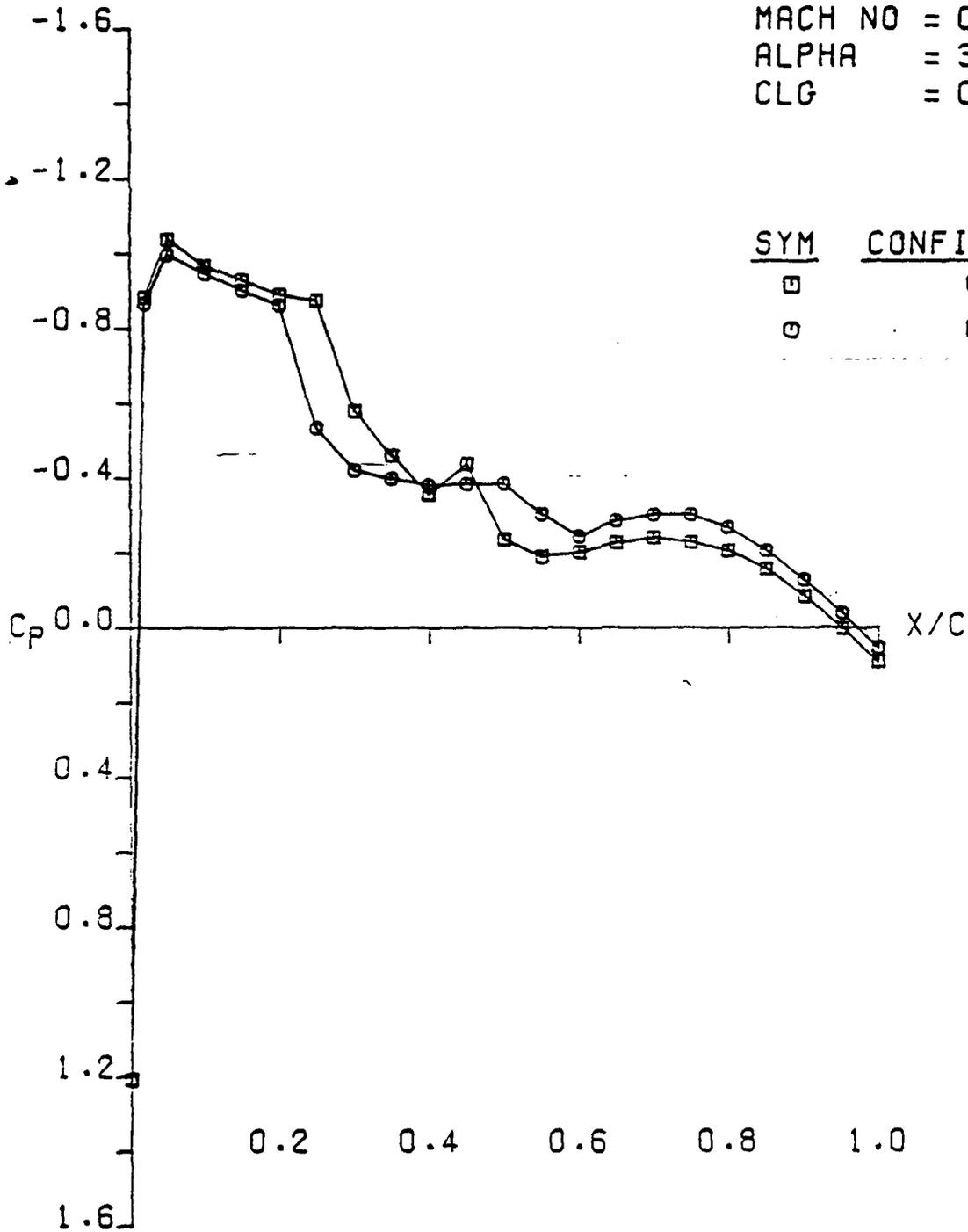
MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B

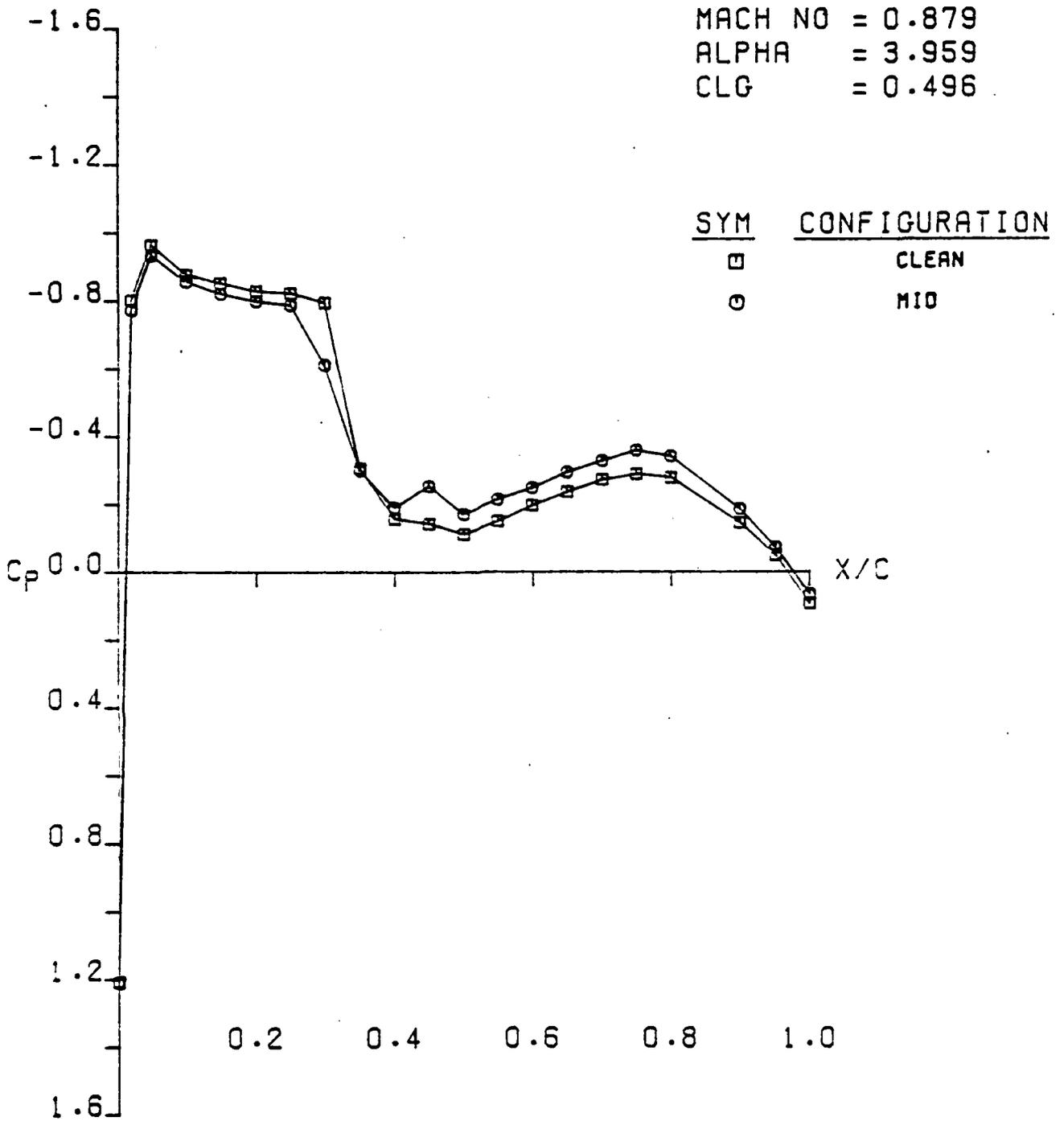
MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B

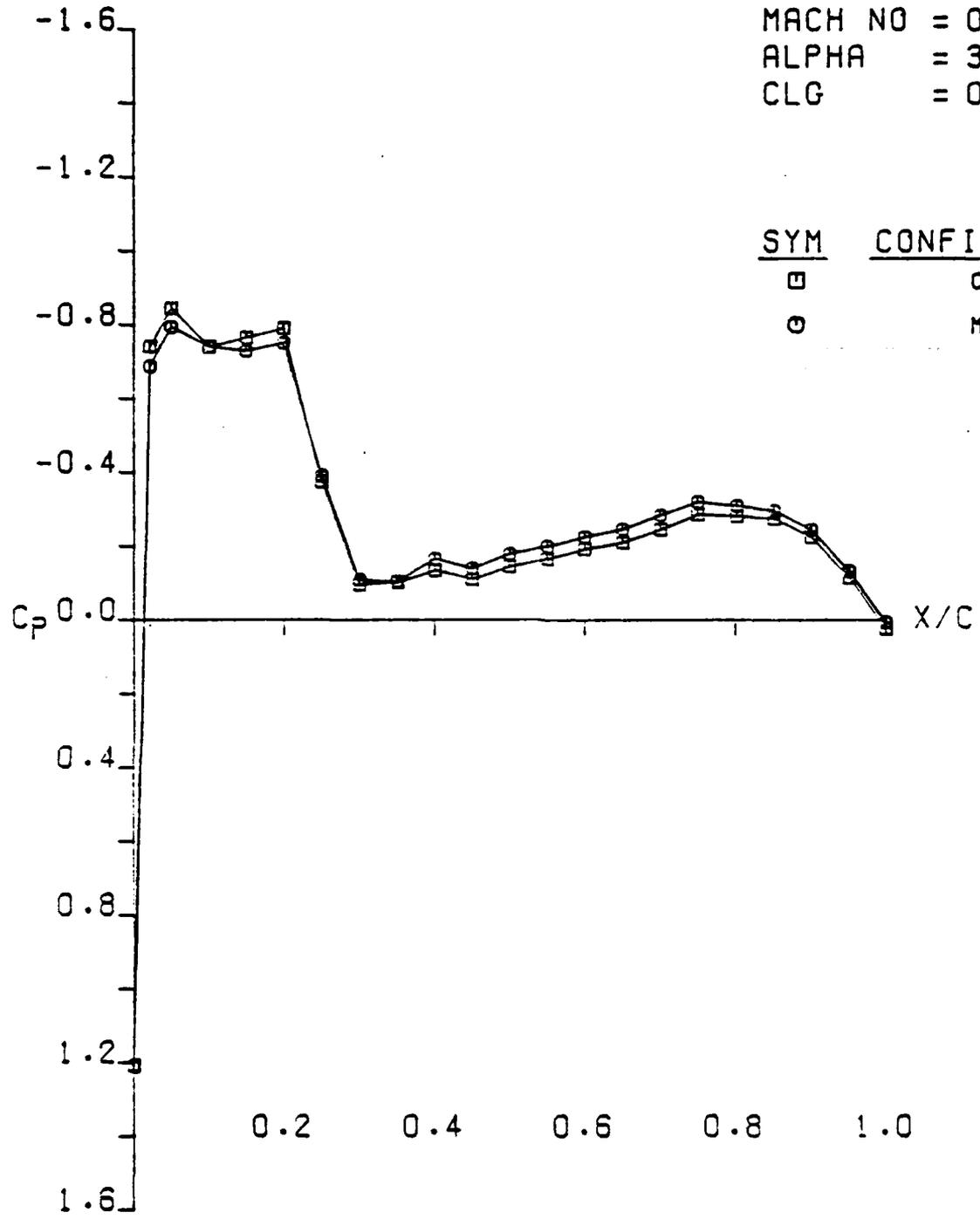
MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

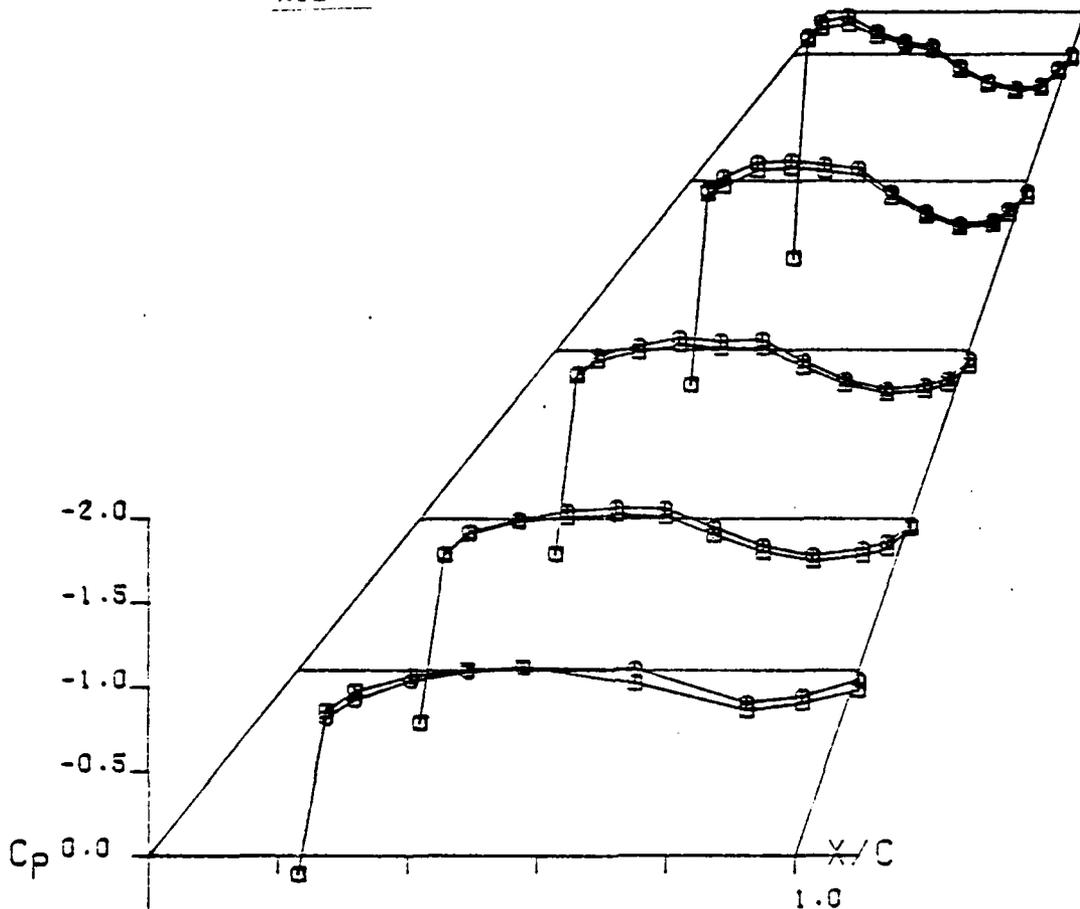


LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

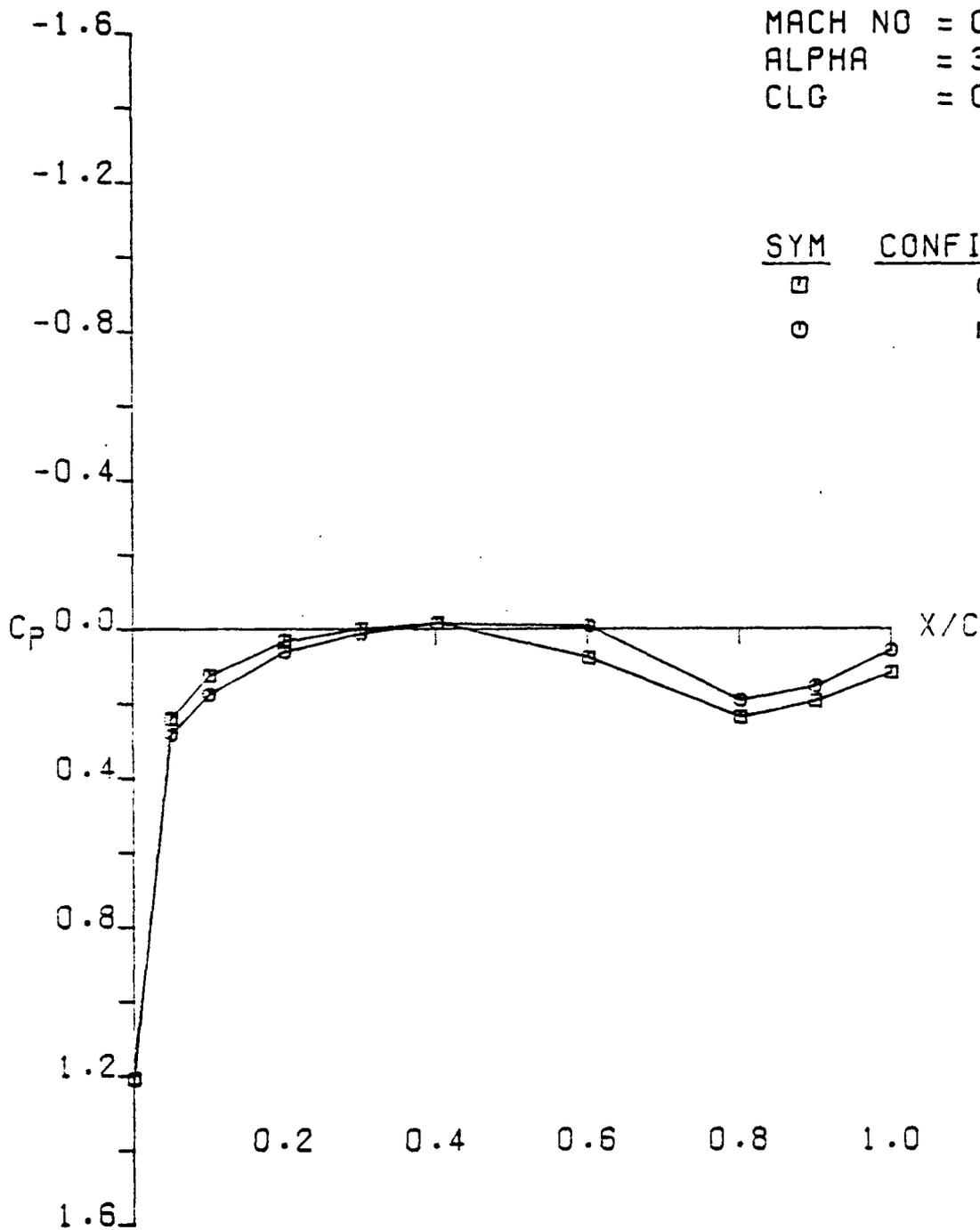
CLEAN
MID



CONDITIONS

MACH NO = 0.379
 ALPHA = 3.353
 CL = 0.496
 CD = 0.037
 CM = -0.075
 CLG = 0.496

LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (LWR SURF)
 AFOSR SEMISPAN MODEL B



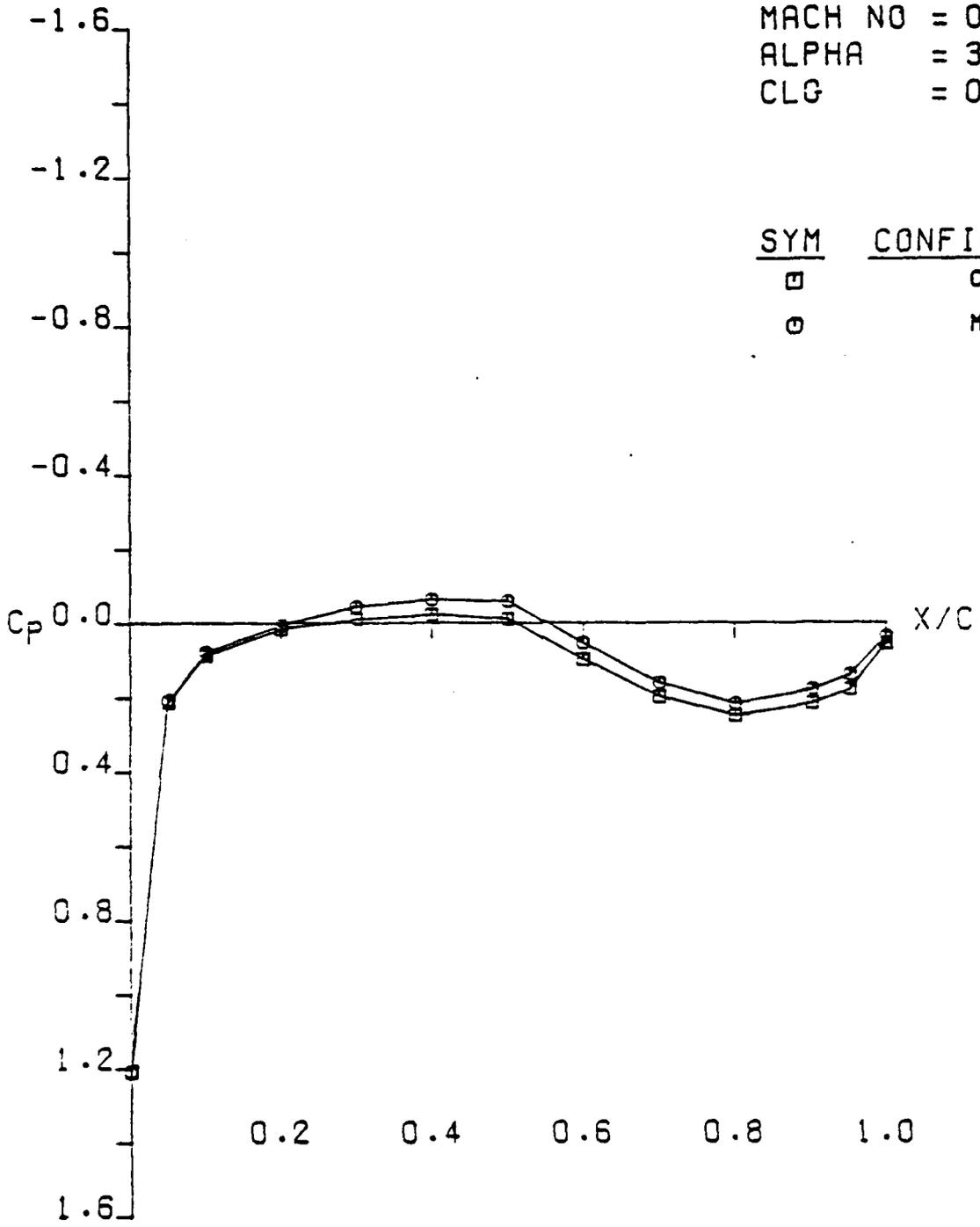
MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL 3

MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

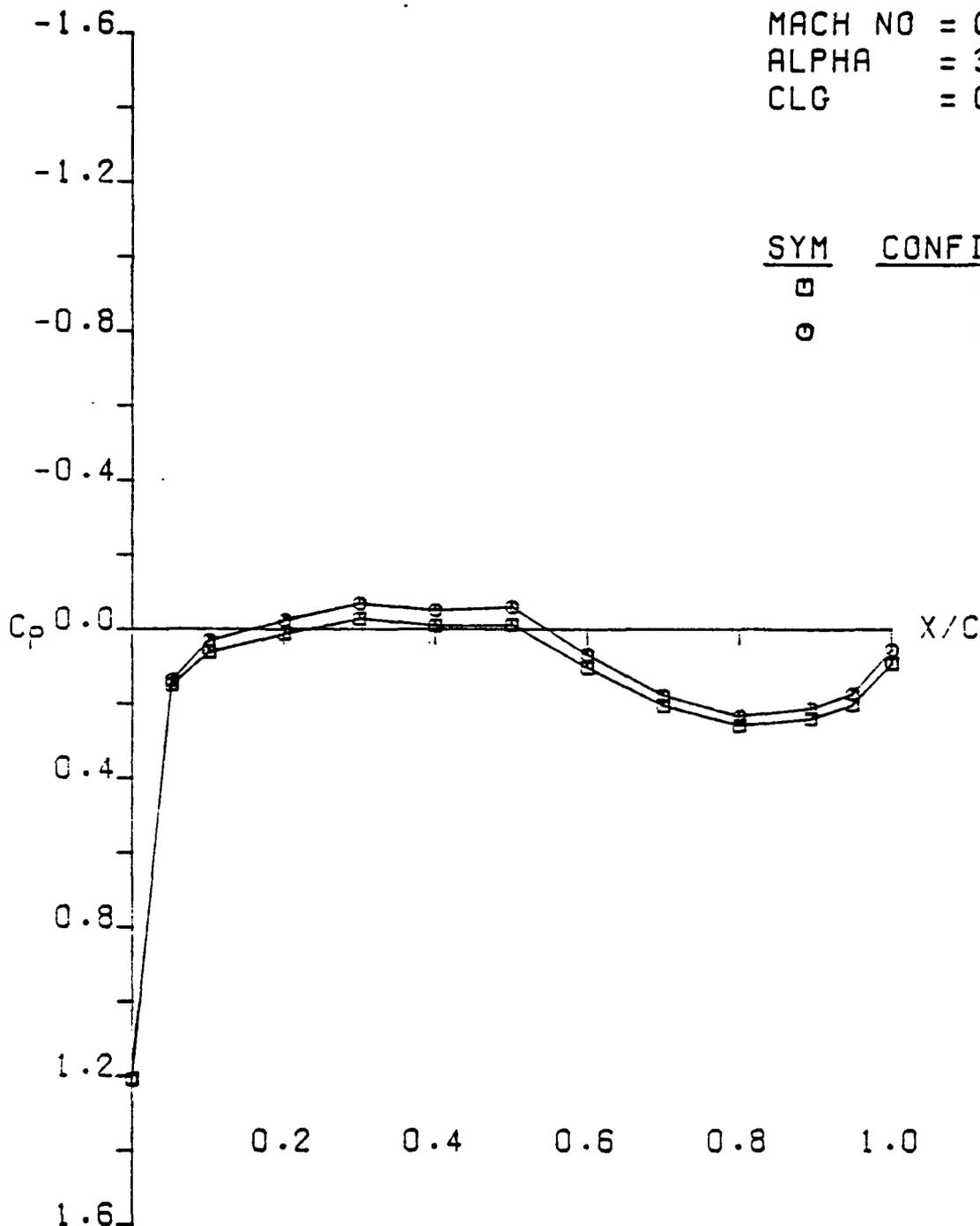
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B

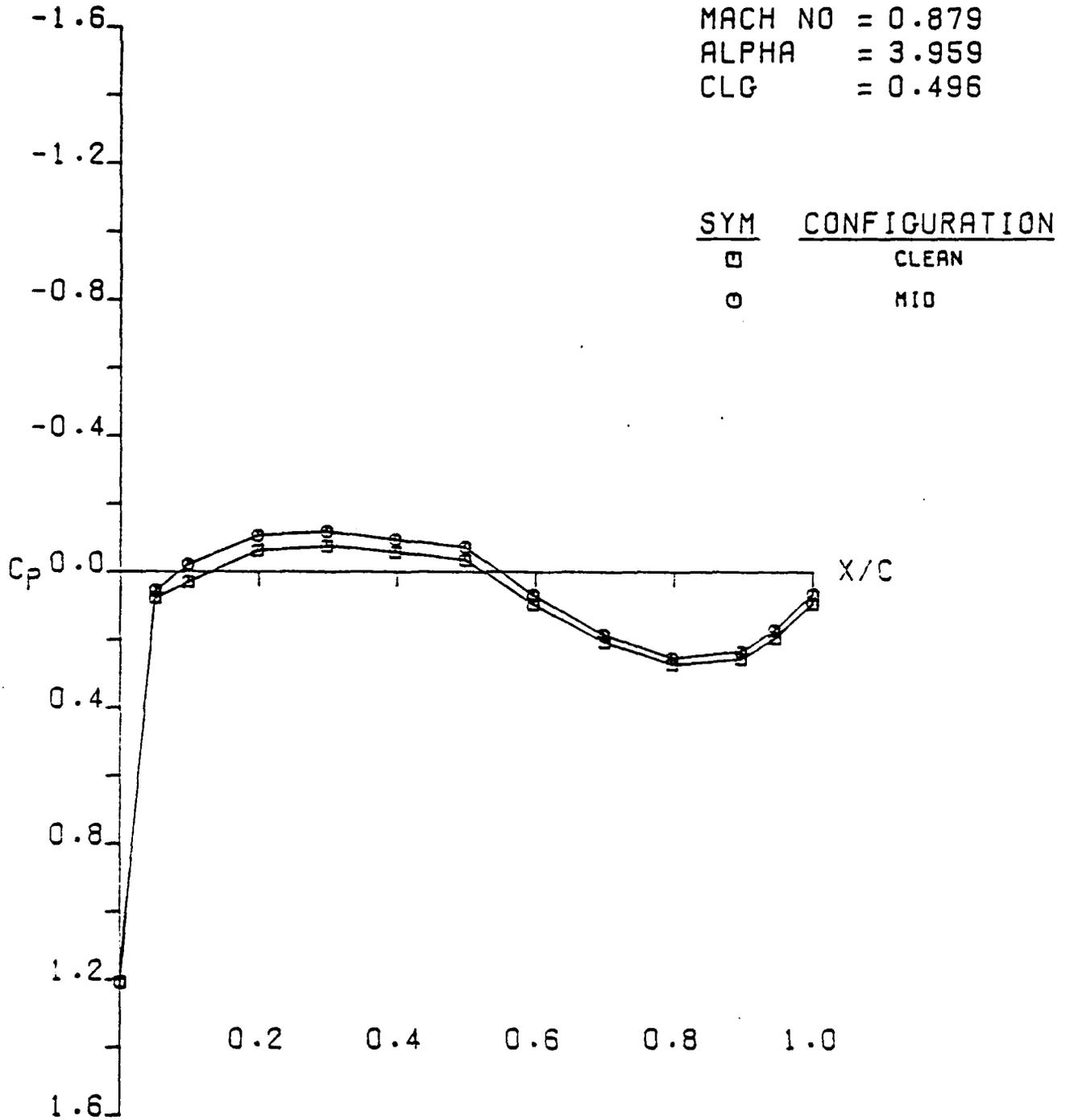
MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B

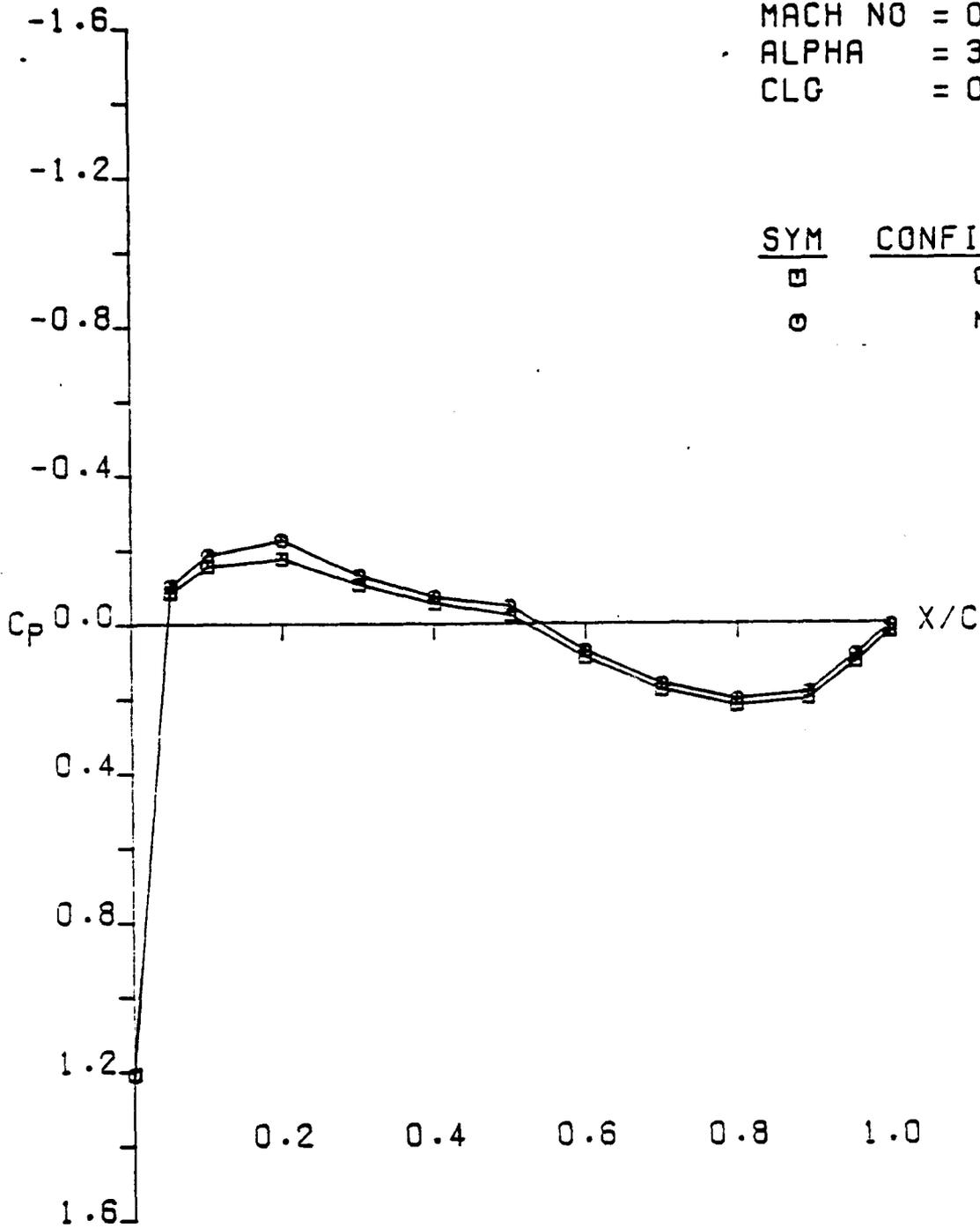
MACH NO = 0.879
ALPHA = 3.959
CLG = 0.496



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
CLN VS MID (LWR SURF ETA.8)
AFOSR SEMISPAN MODEL B

MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

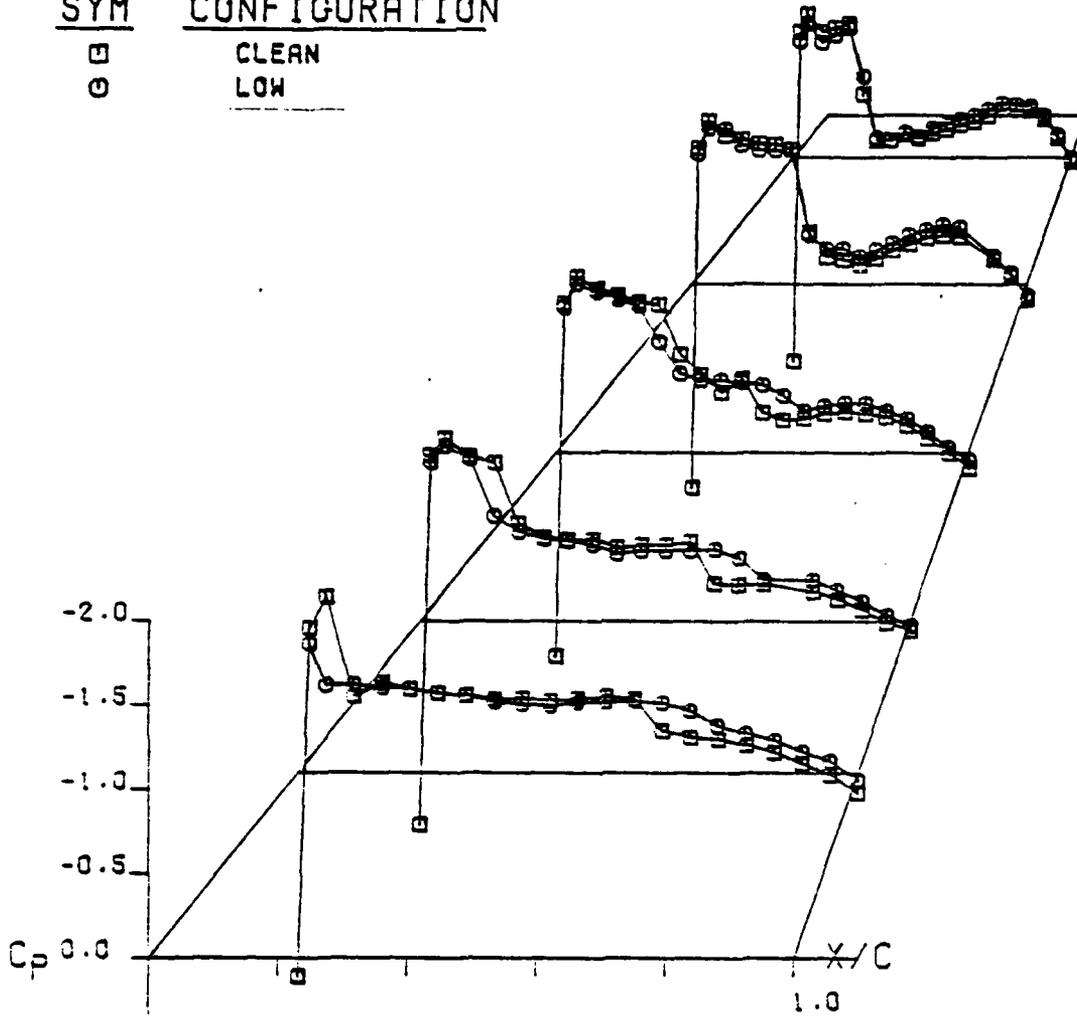
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS MID (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

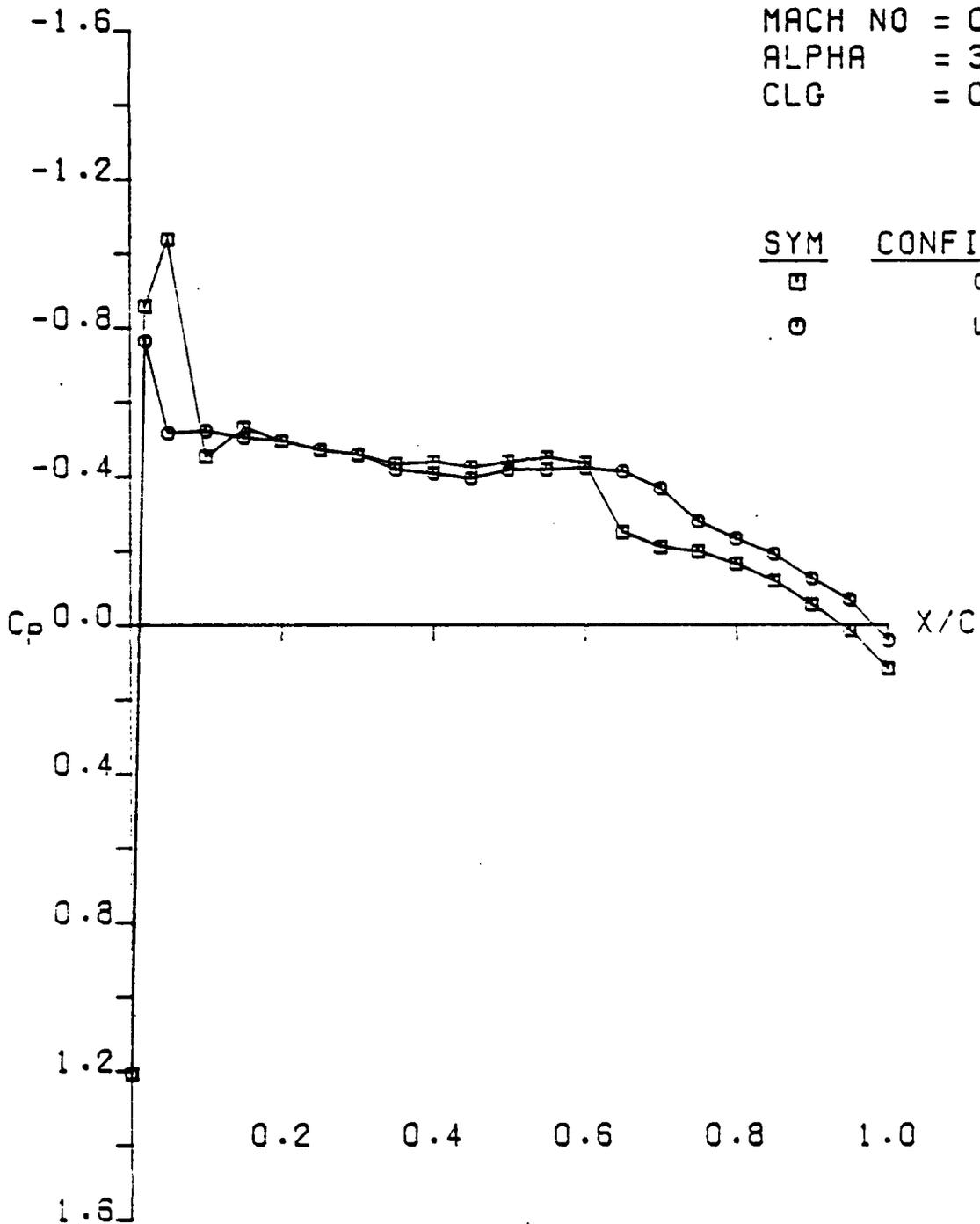
□ CLEAN
 ○ LOW



CONDITIONS

MACH NO = 0.879
 ALPHA = 3.959
 CL = 0.496
 CD = 0.037
 CM = -0.076
 CLG = 0.496

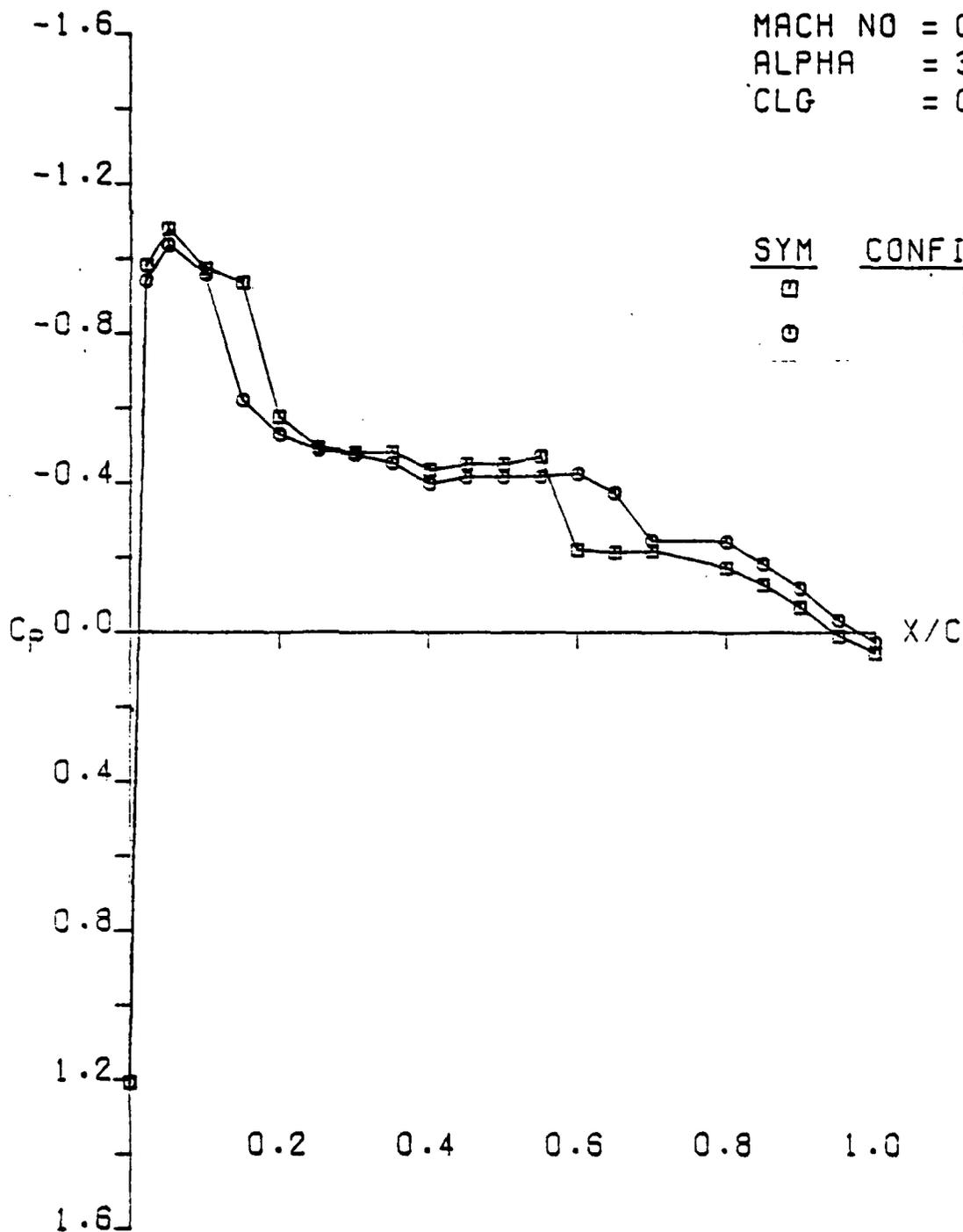
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (UPR SURF)
 AFOSR SEMISPAN MODEL B



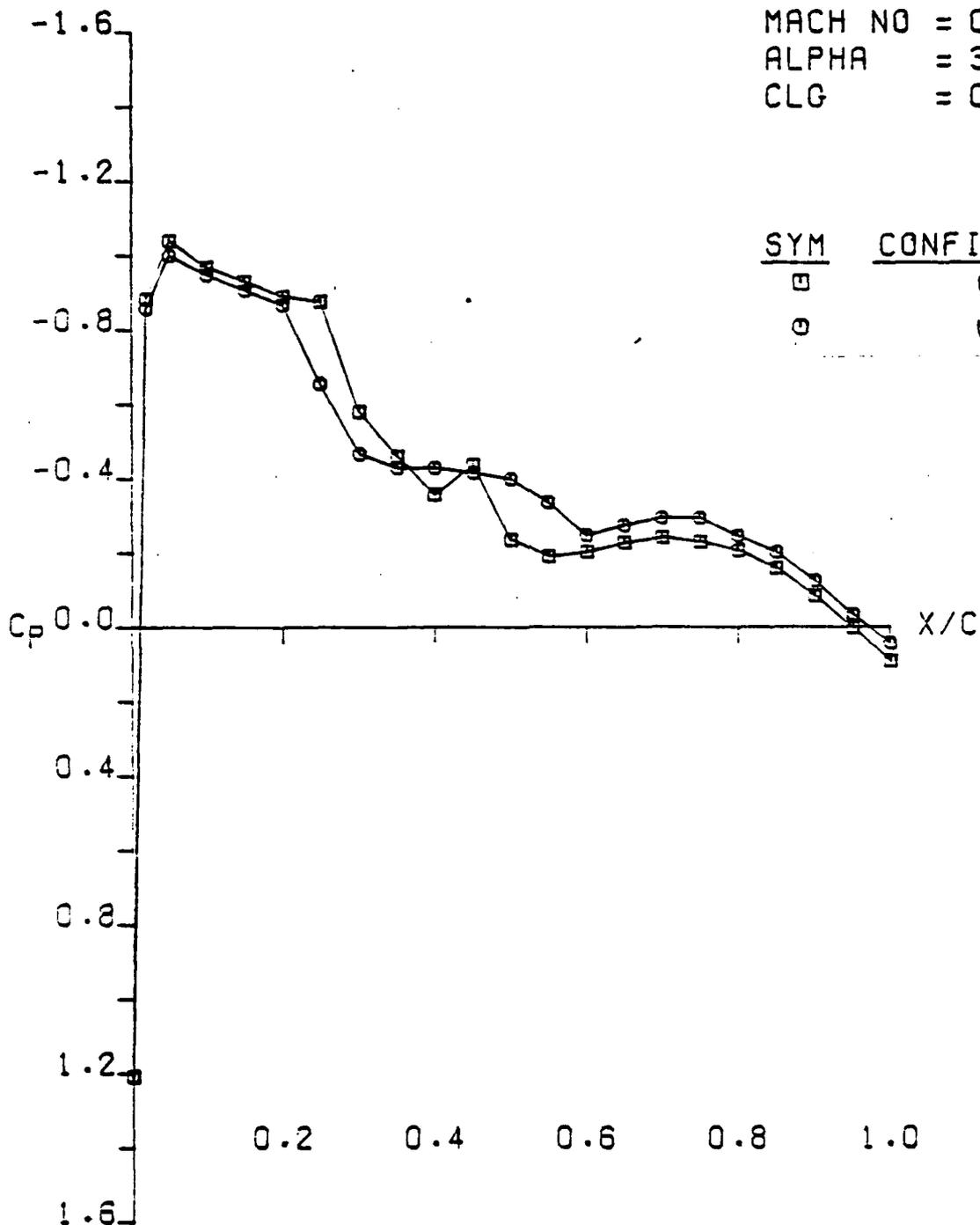
MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

SYM	CONFIGURATION
□	CLEAN
○	LOW

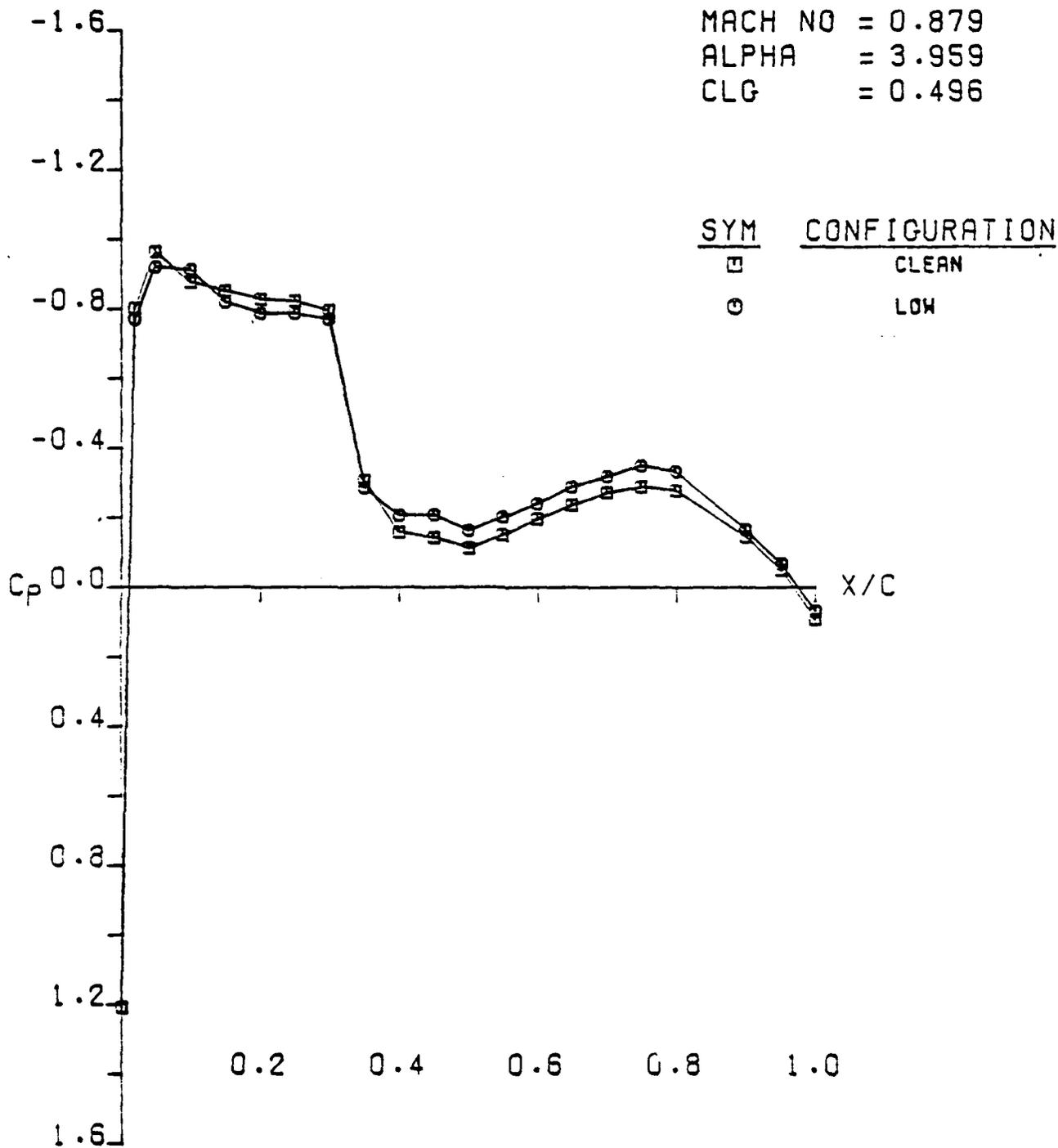
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



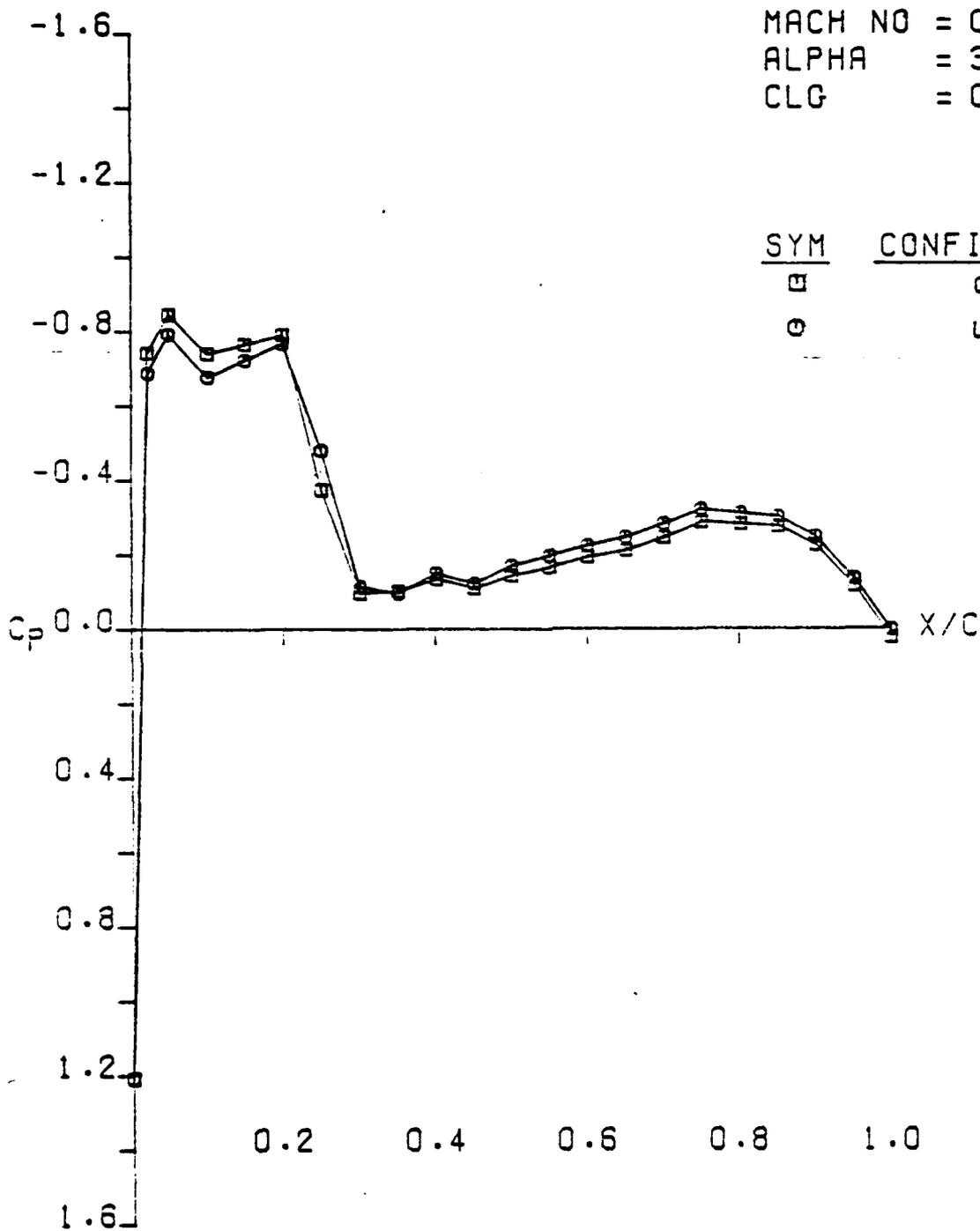
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B



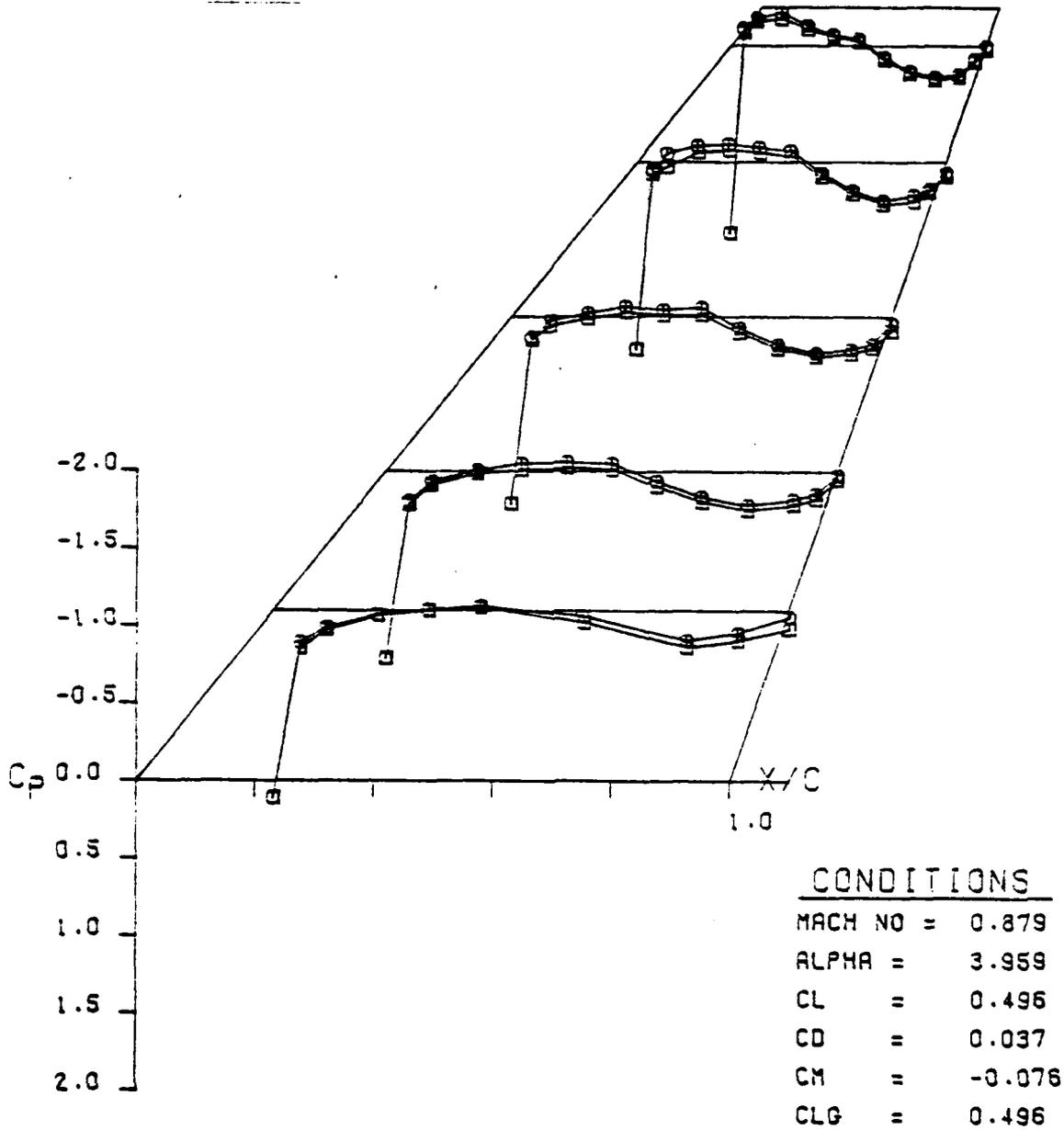
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B



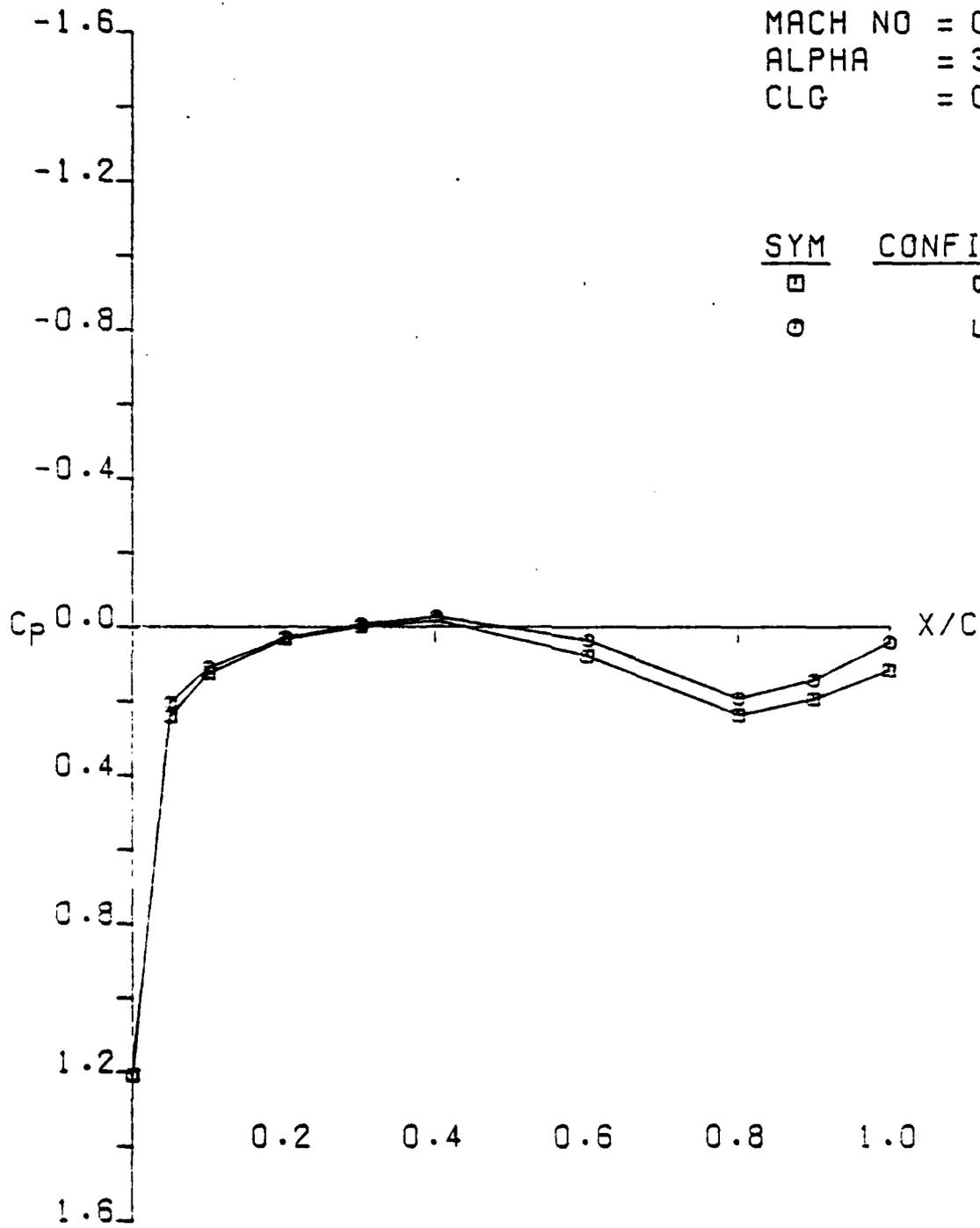
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□ CLEAN
 ○ LOW



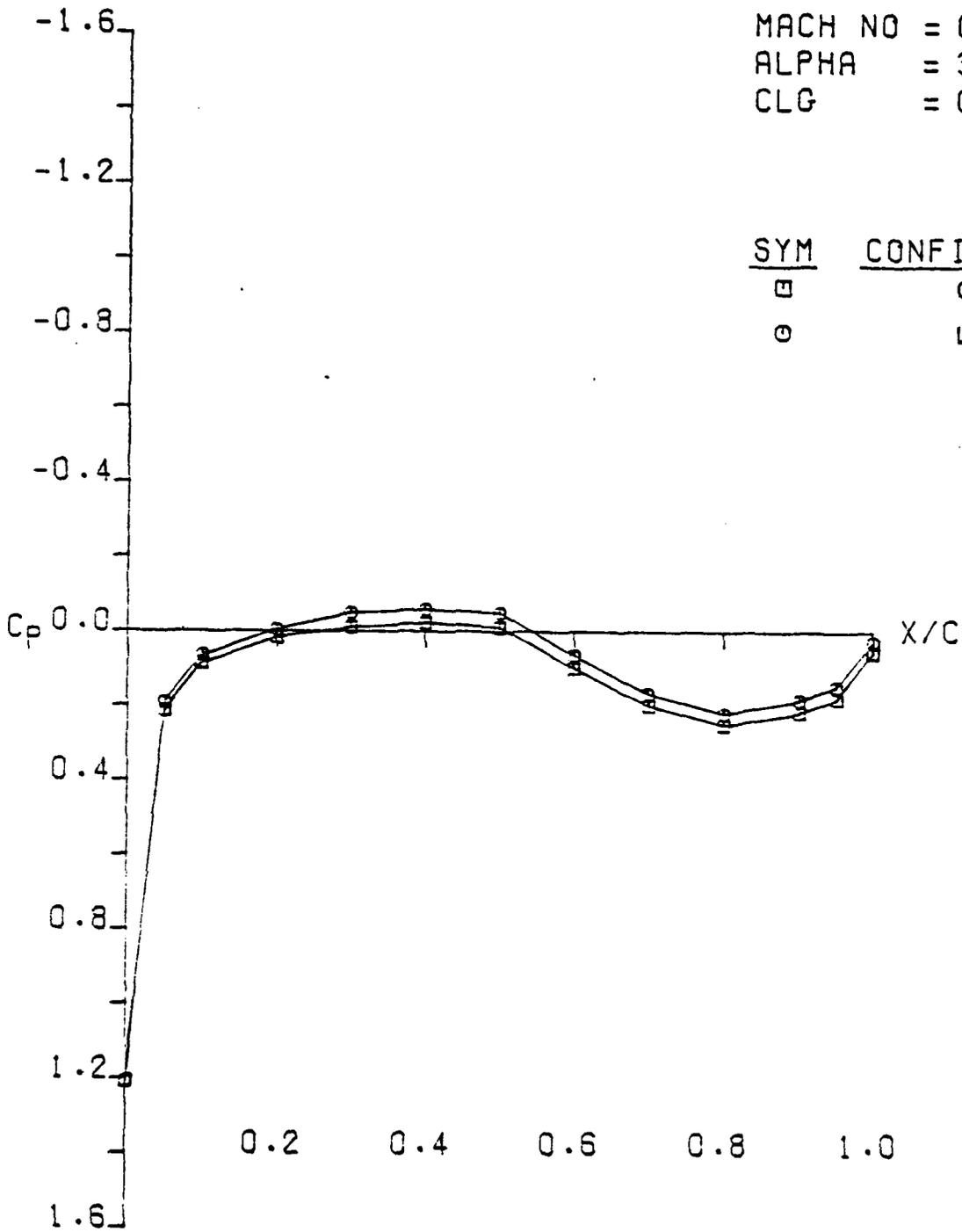
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

SYM	CONFIGURATION
□	CLEAN
○	LOW

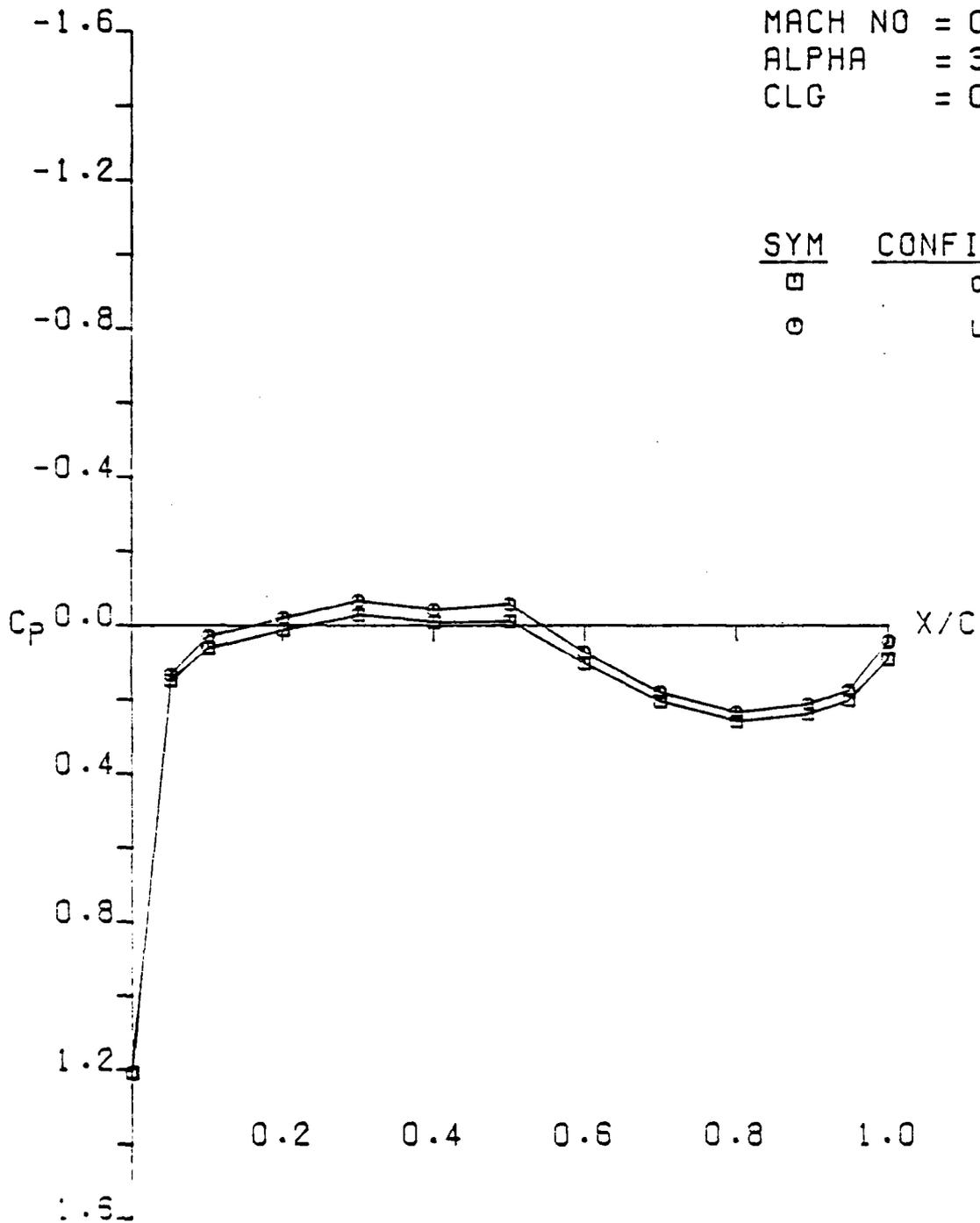
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

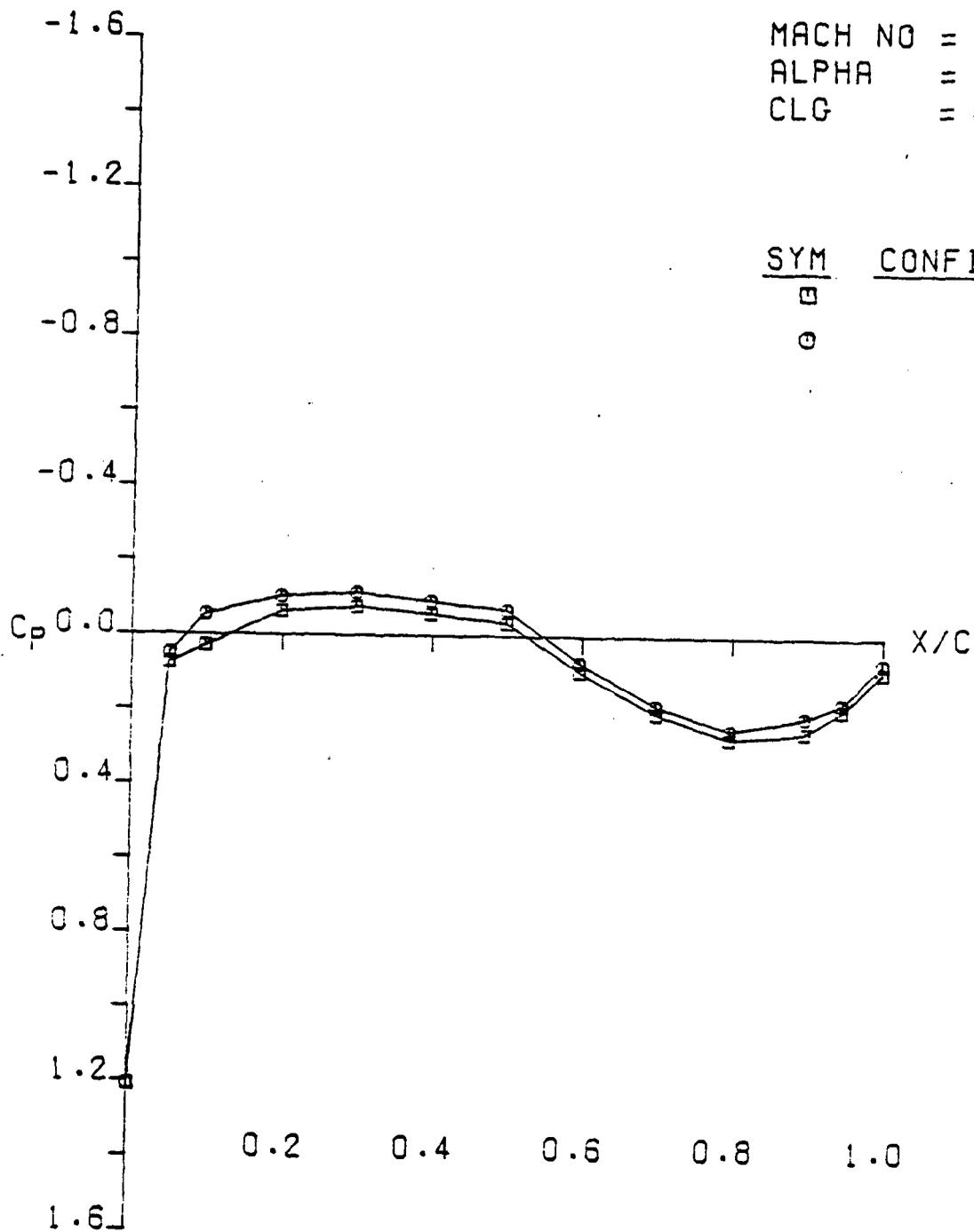
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

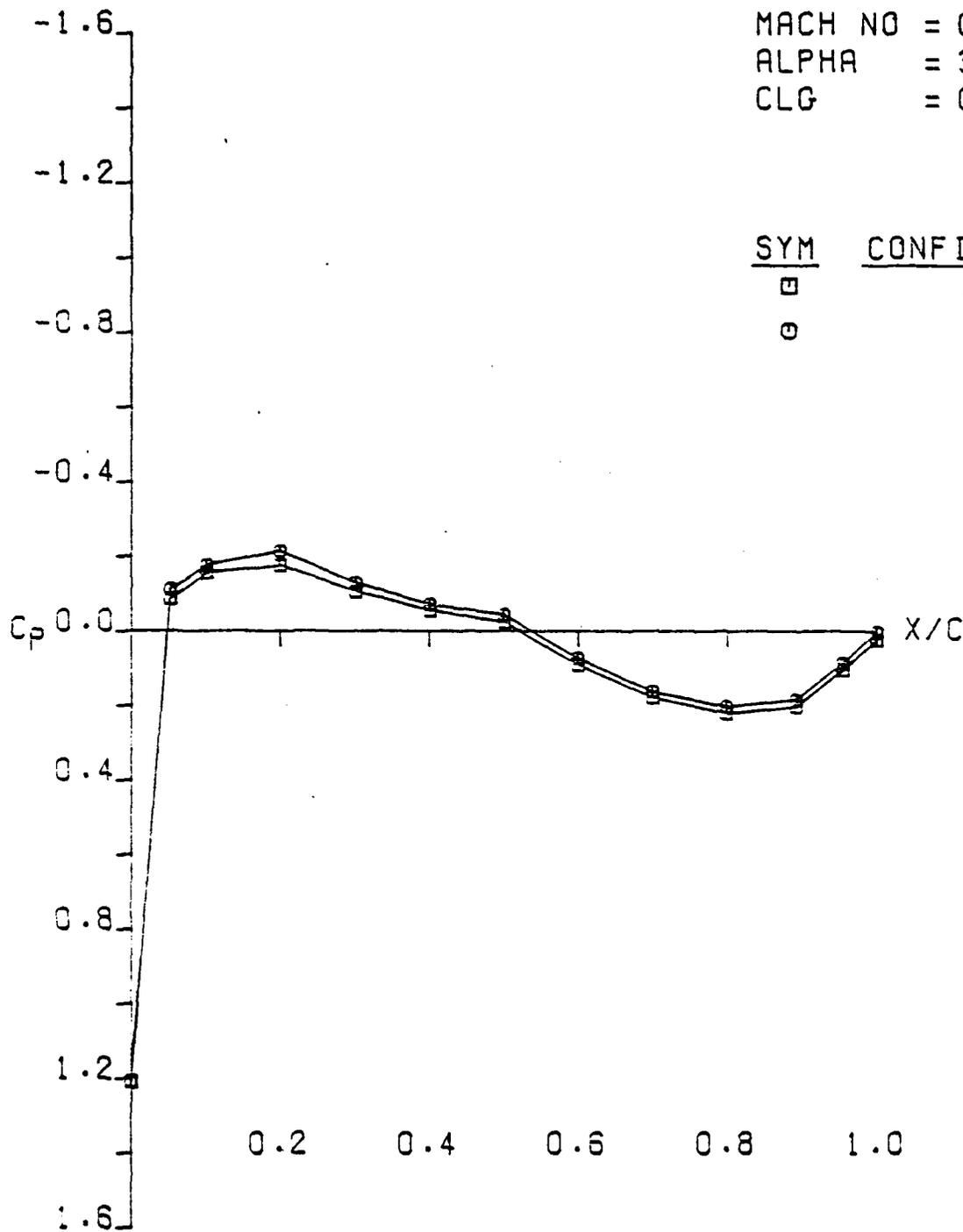
LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (LWR SURF ETA.60)
 AFCSR SEMISPAN MODEL B



MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

SYM	CONFIGURATION
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL B

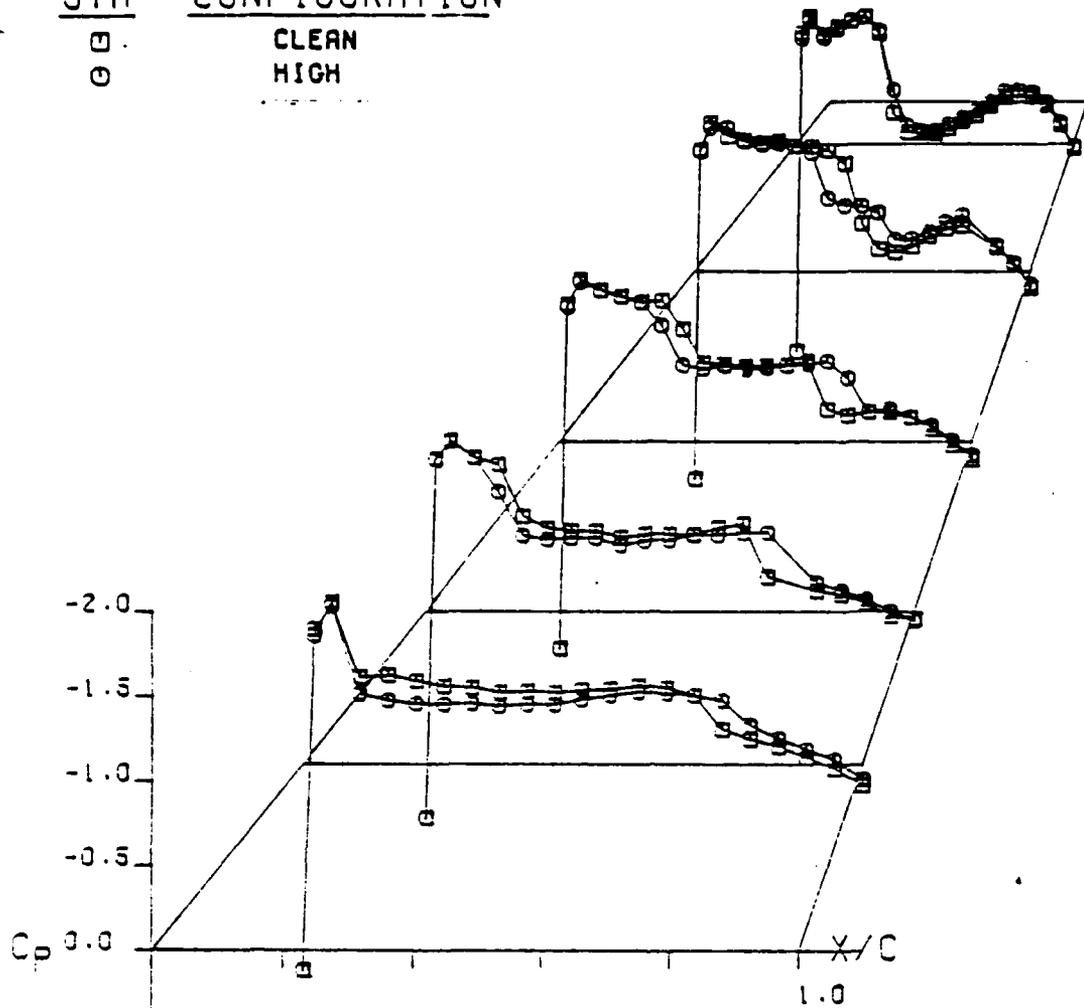


MACH NO = 0.879
 ALPHA = 3.959
 CLG = 0.496

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 65
 CLN VS LOW (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

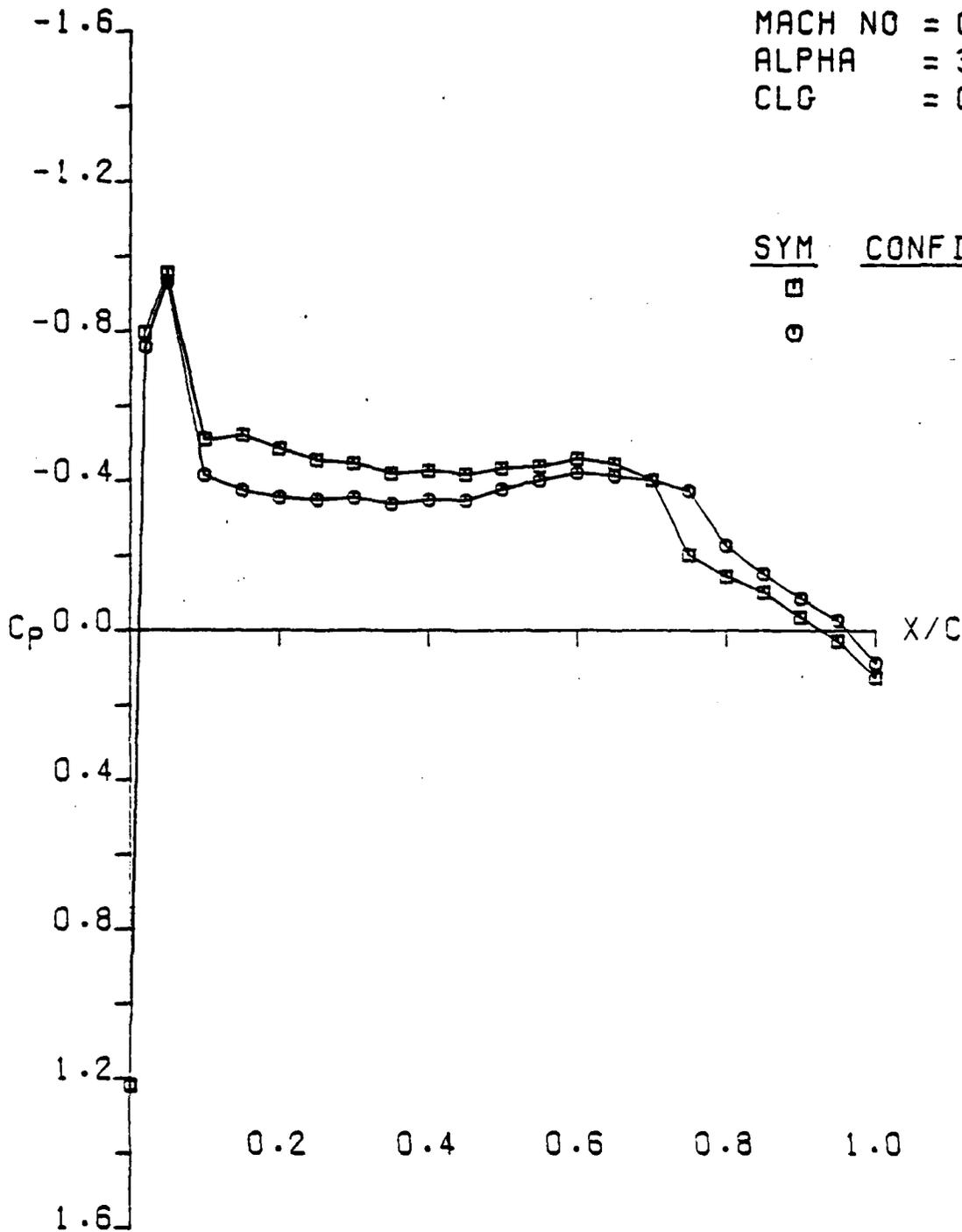
SYM	CONFIGURATION
□	CLEAN
○	HIGH



CONDITIONS

MACH NO = 0.300
 ALPHA = 3.396
 CL = 0.500
 CD = 0.038
 CM = -0.084
 CLG = 0.500

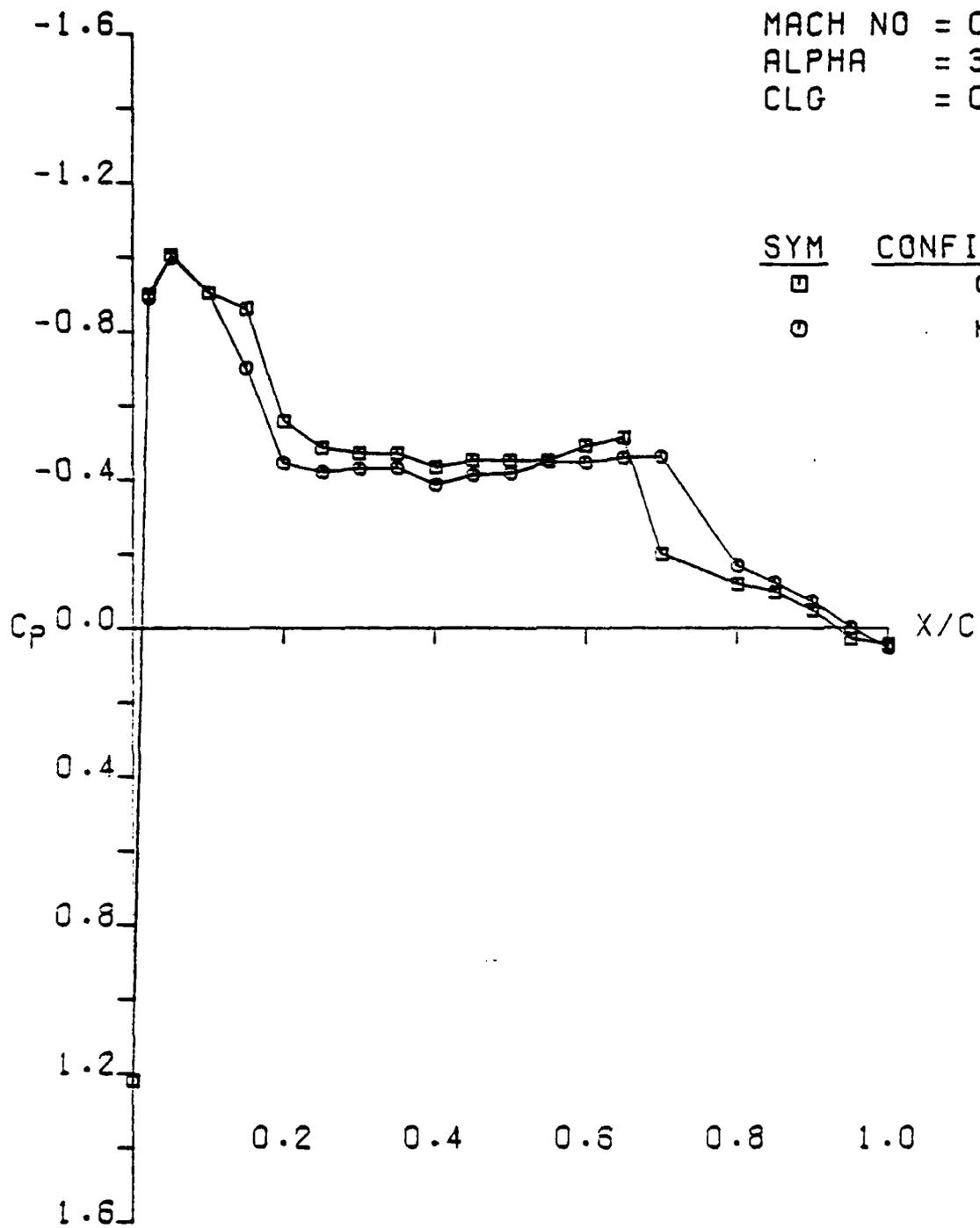
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

SYM	CONFIGURATION
□	CLEAN
○	HIGH

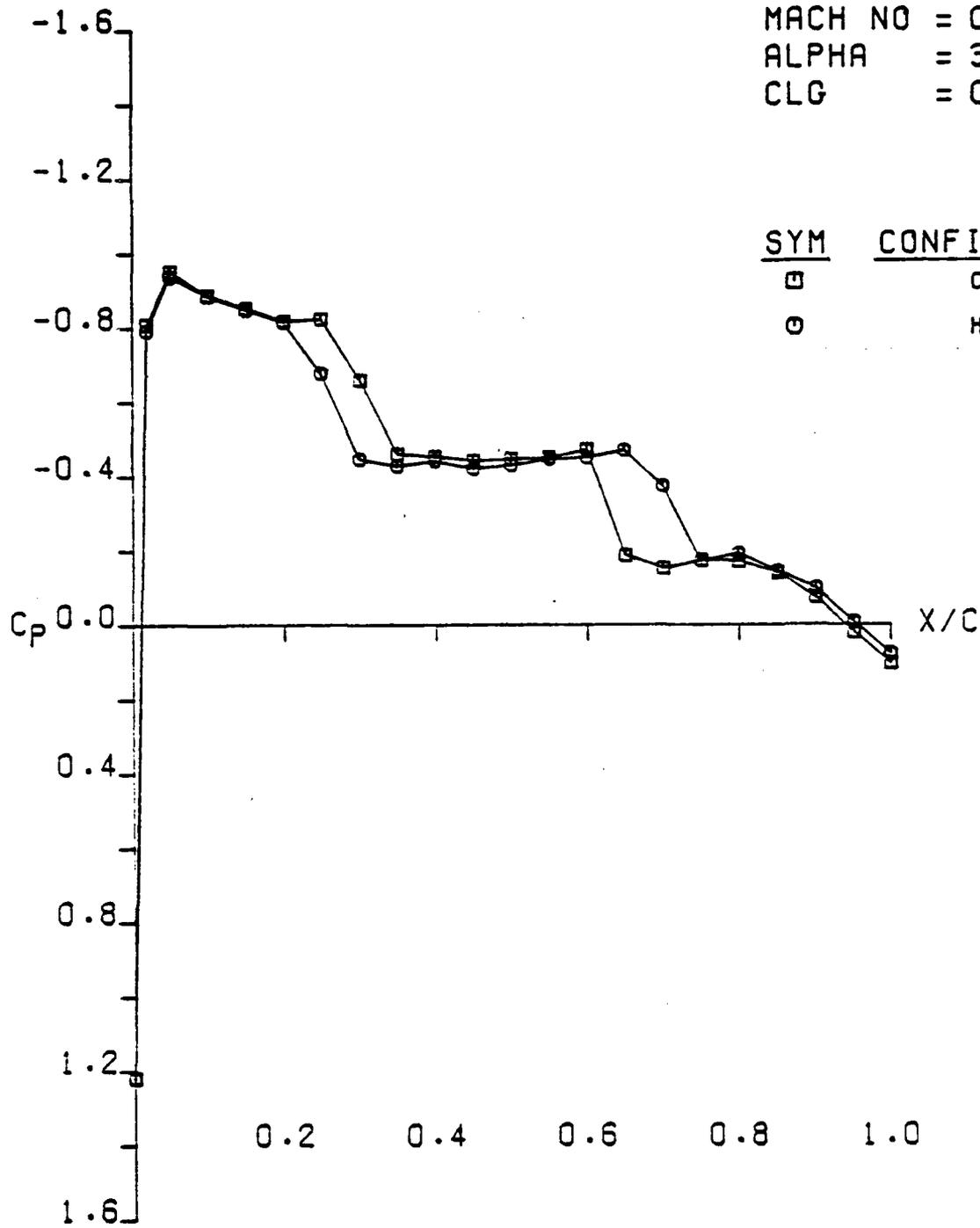
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL 3



MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

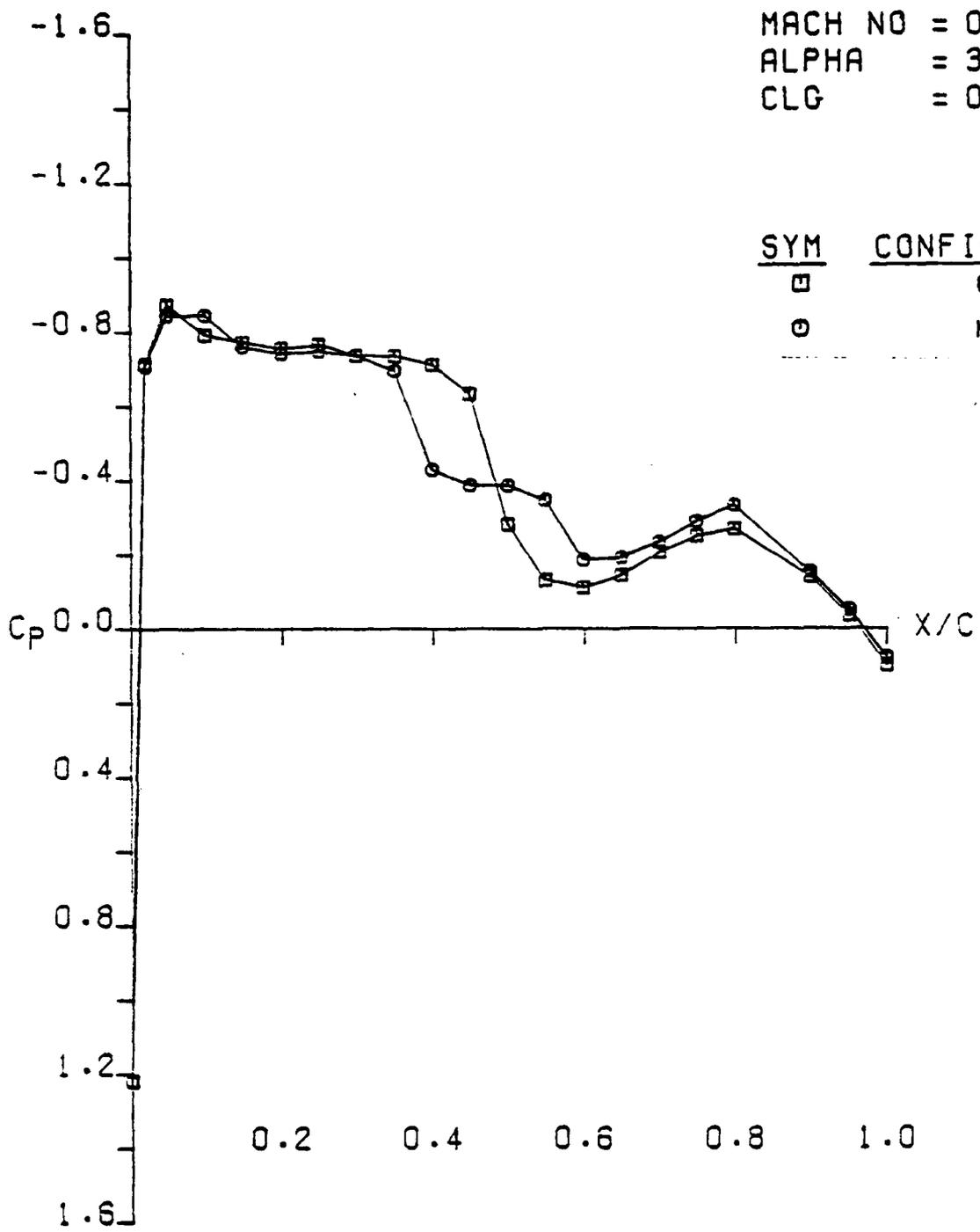
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

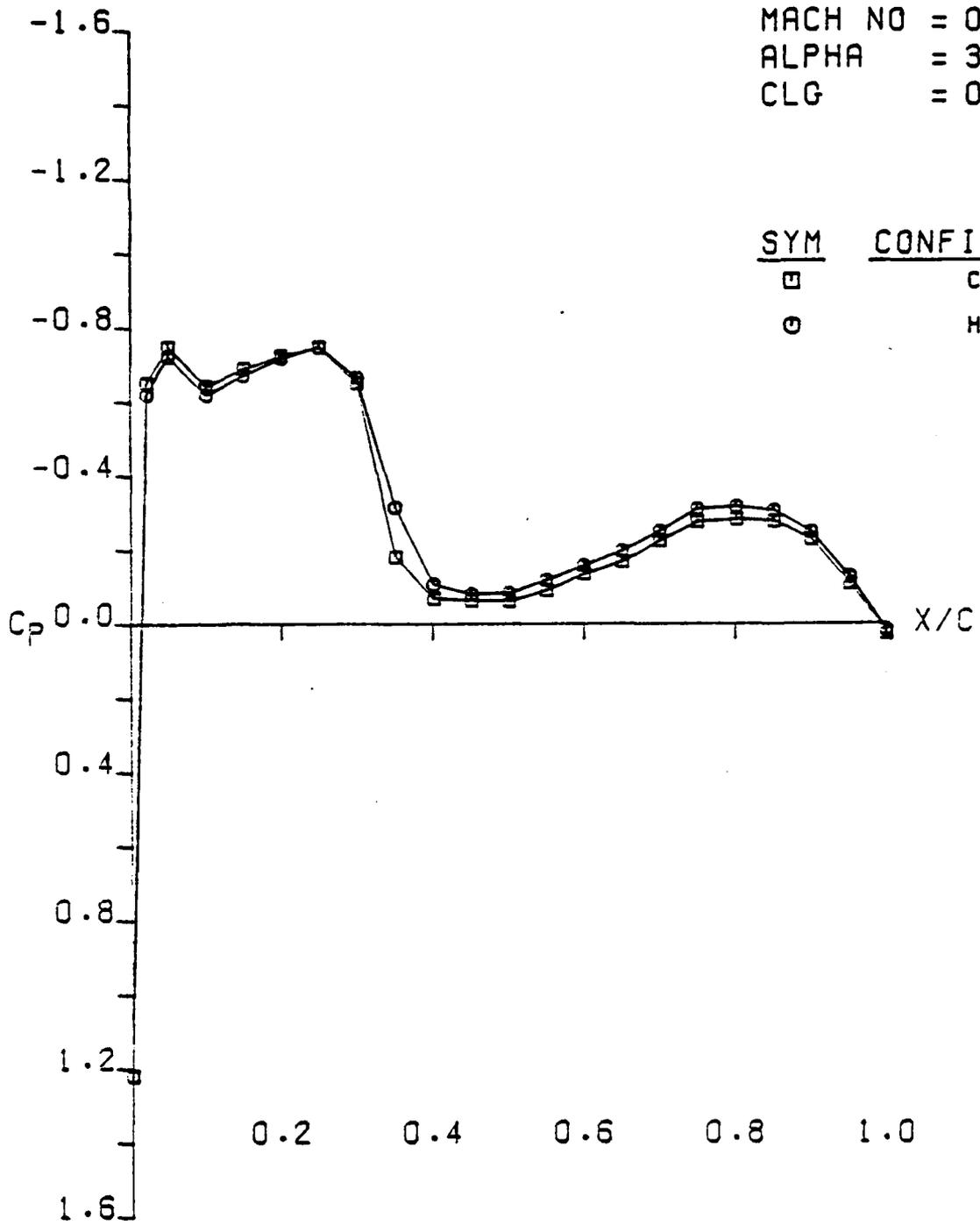
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL 3



MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

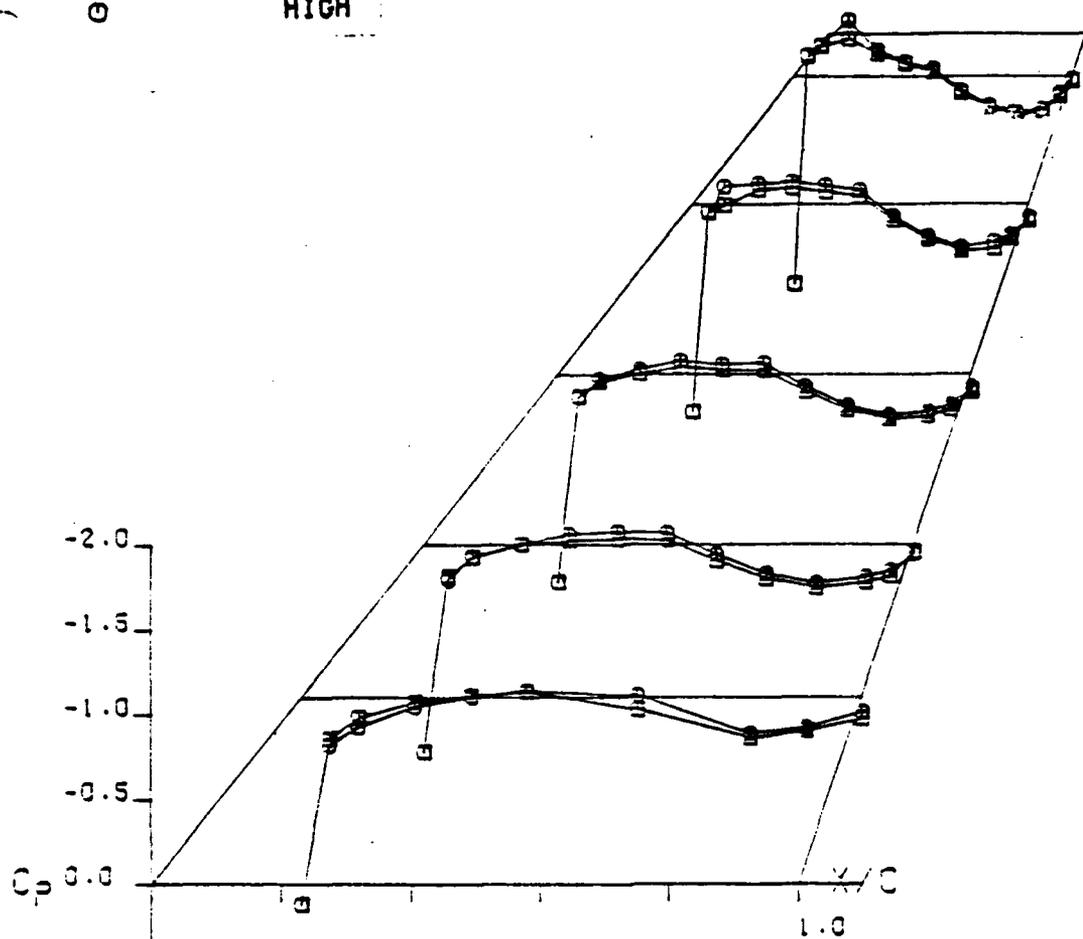
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□
○

CLEAN
HIGH



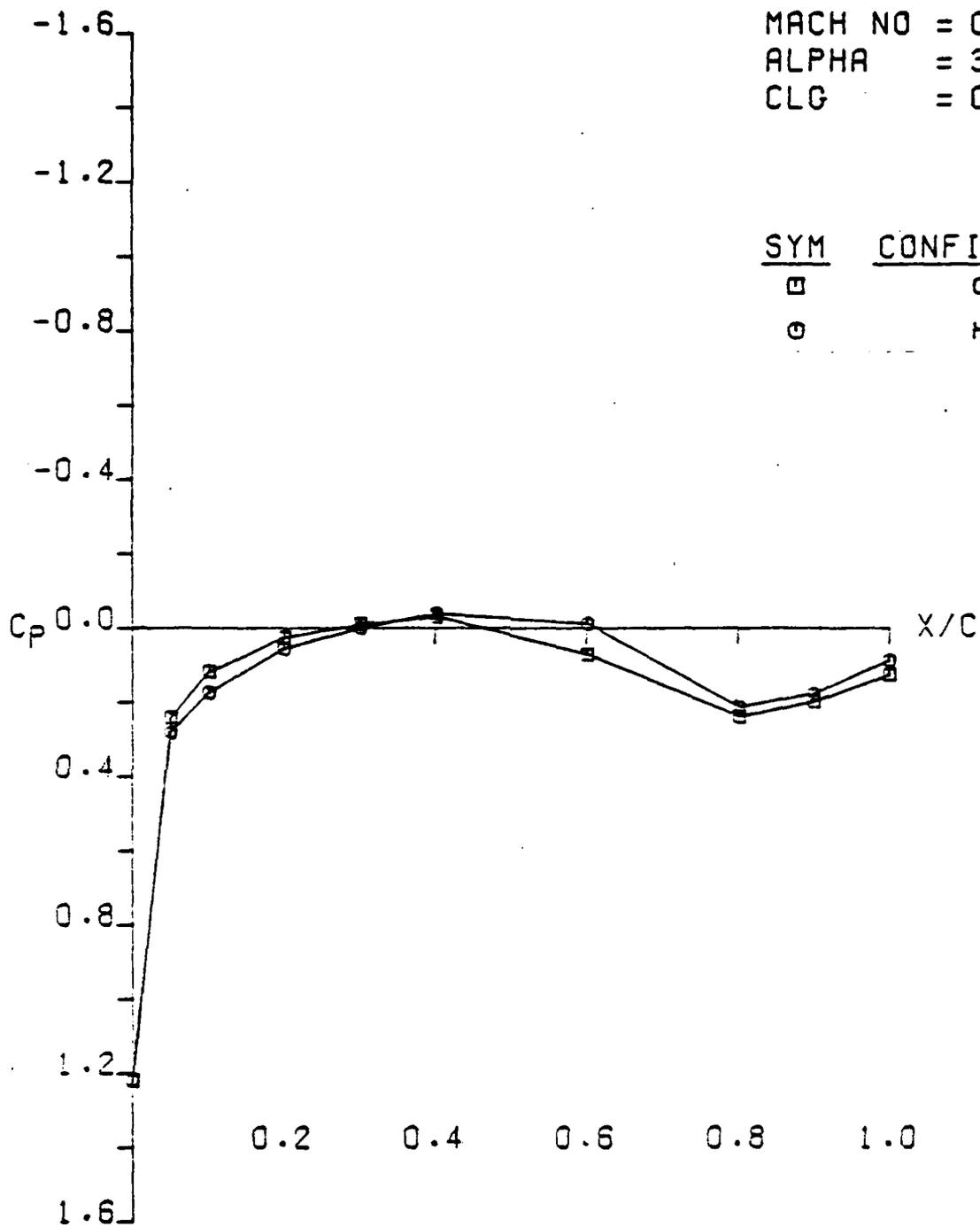
CONDITIONS

MACH NO = 0.300
 ALPHA = 3.396
 CL = 0.500
 CD = 0.038
 CM = -0.084
 CLG = 0.500

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

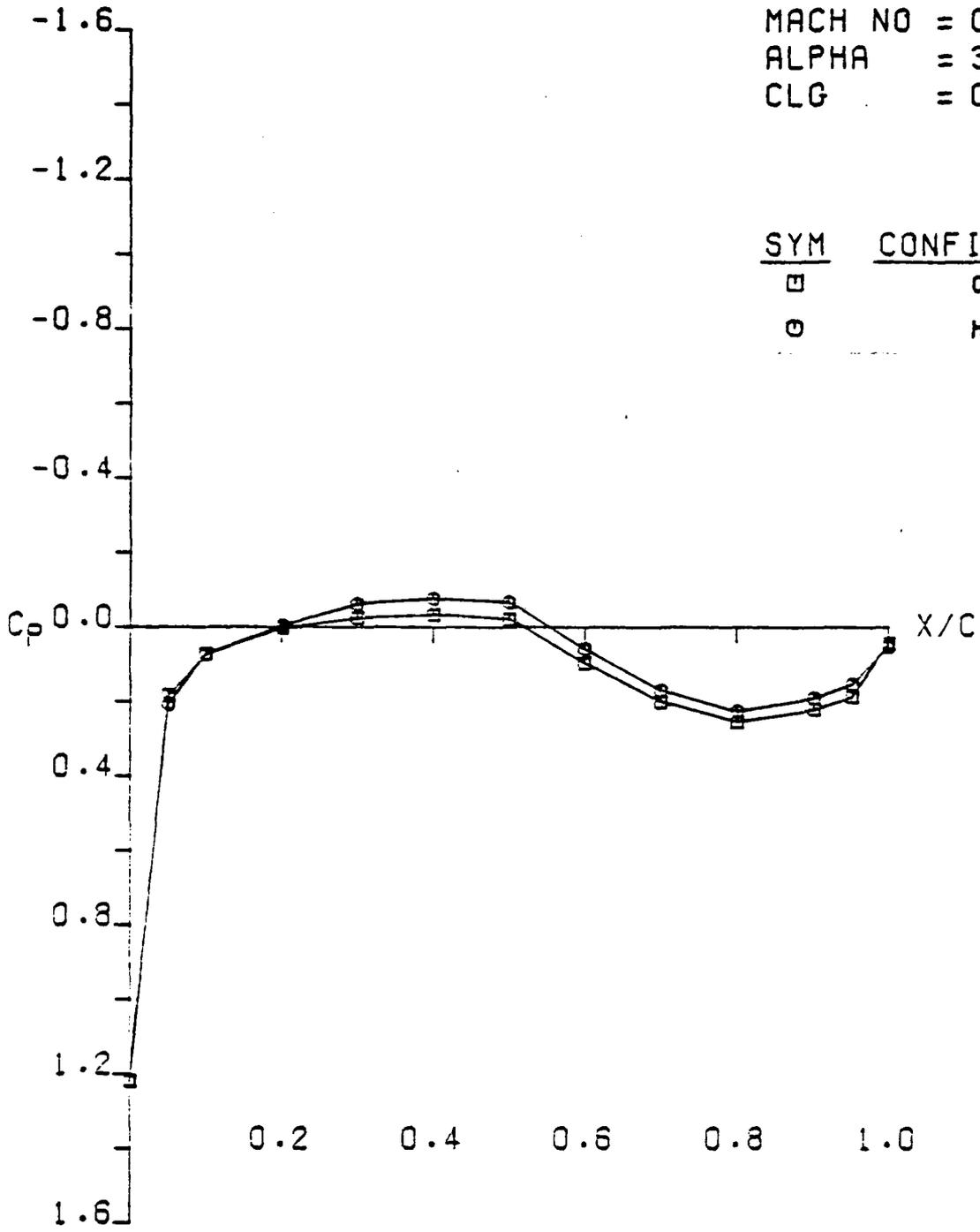
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.900
ALPHA = 3.896
CLG = 0.500

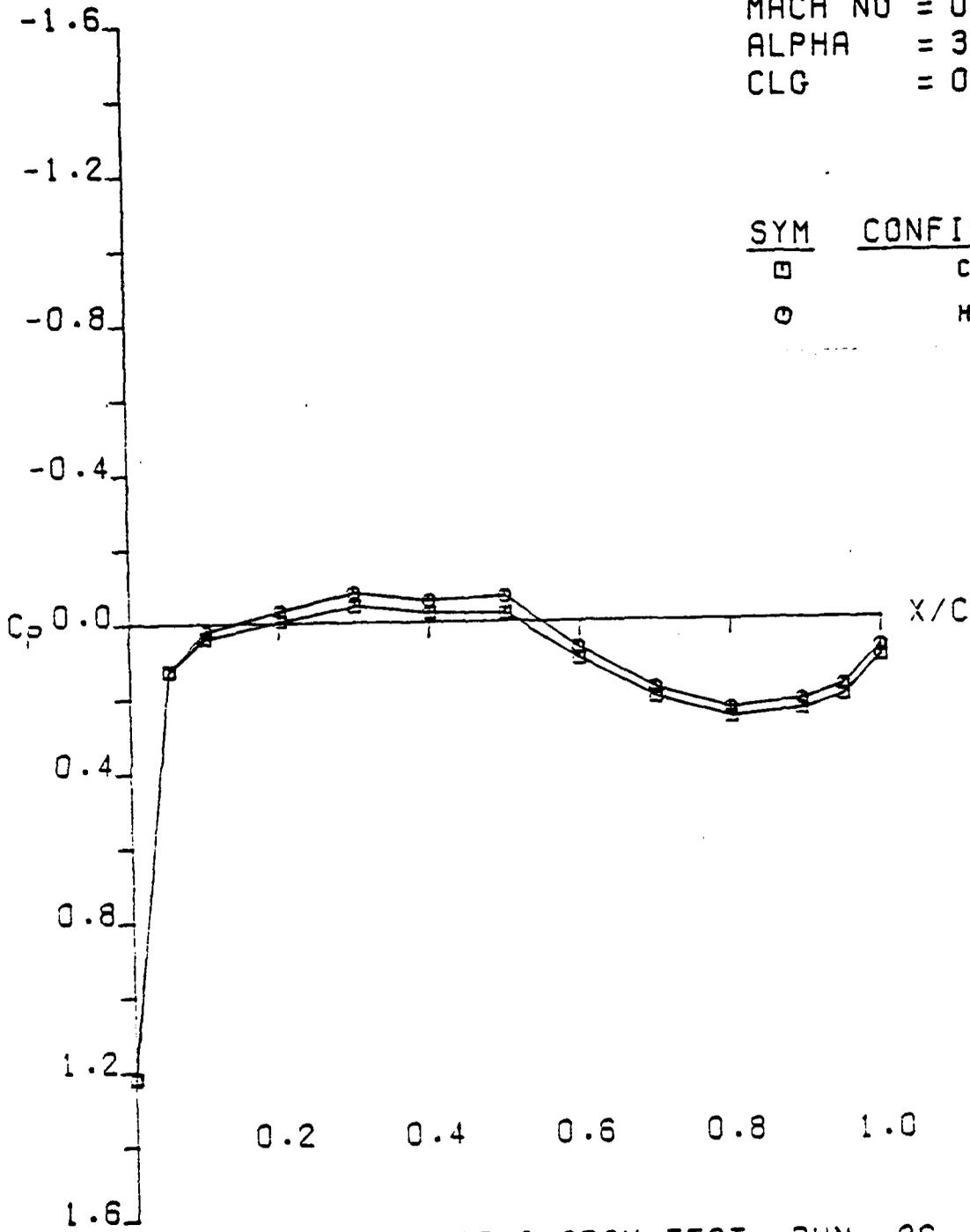
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (LWR SURF ETA.4)
AFOSR SEMISPAN MODEL B

MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

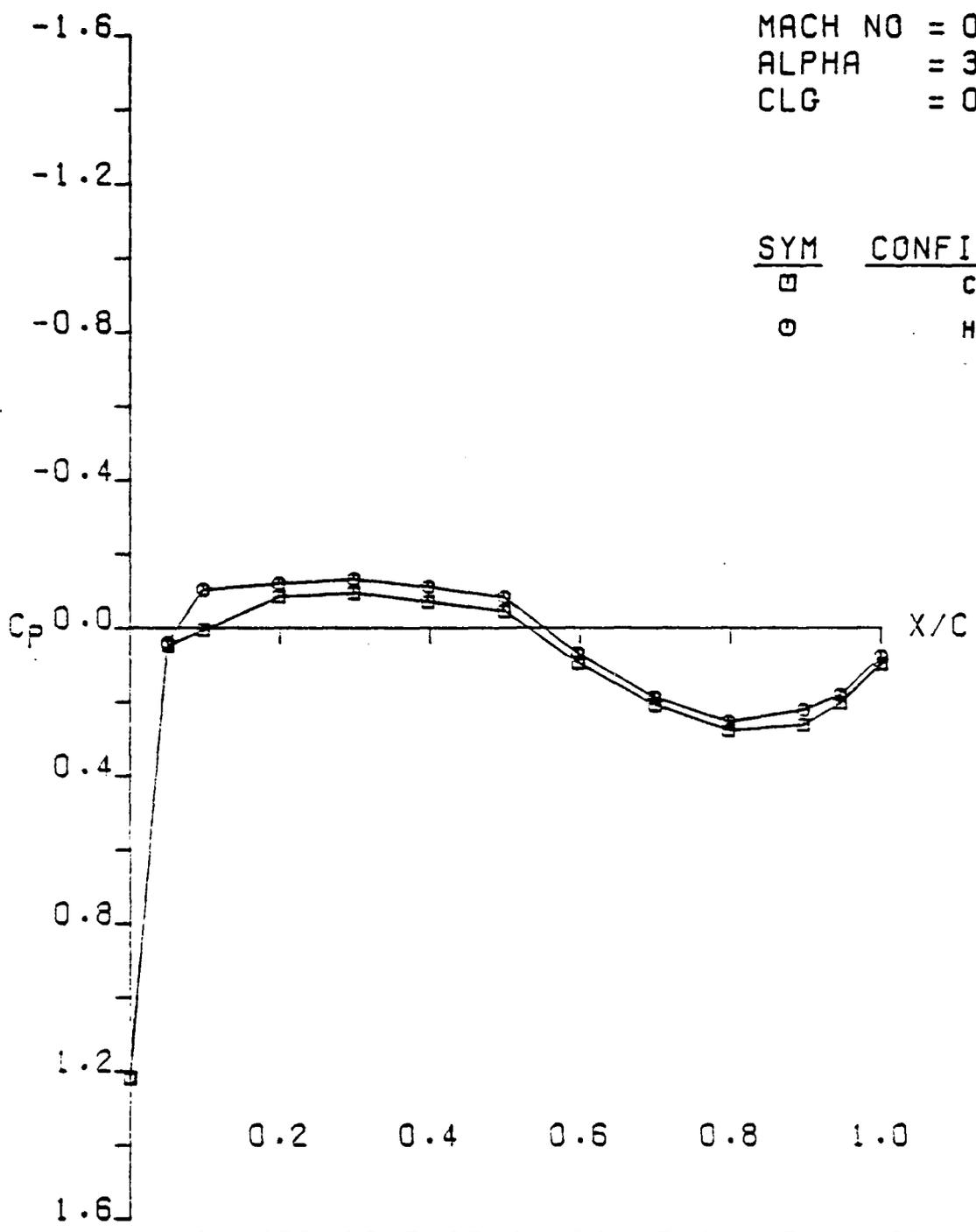
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



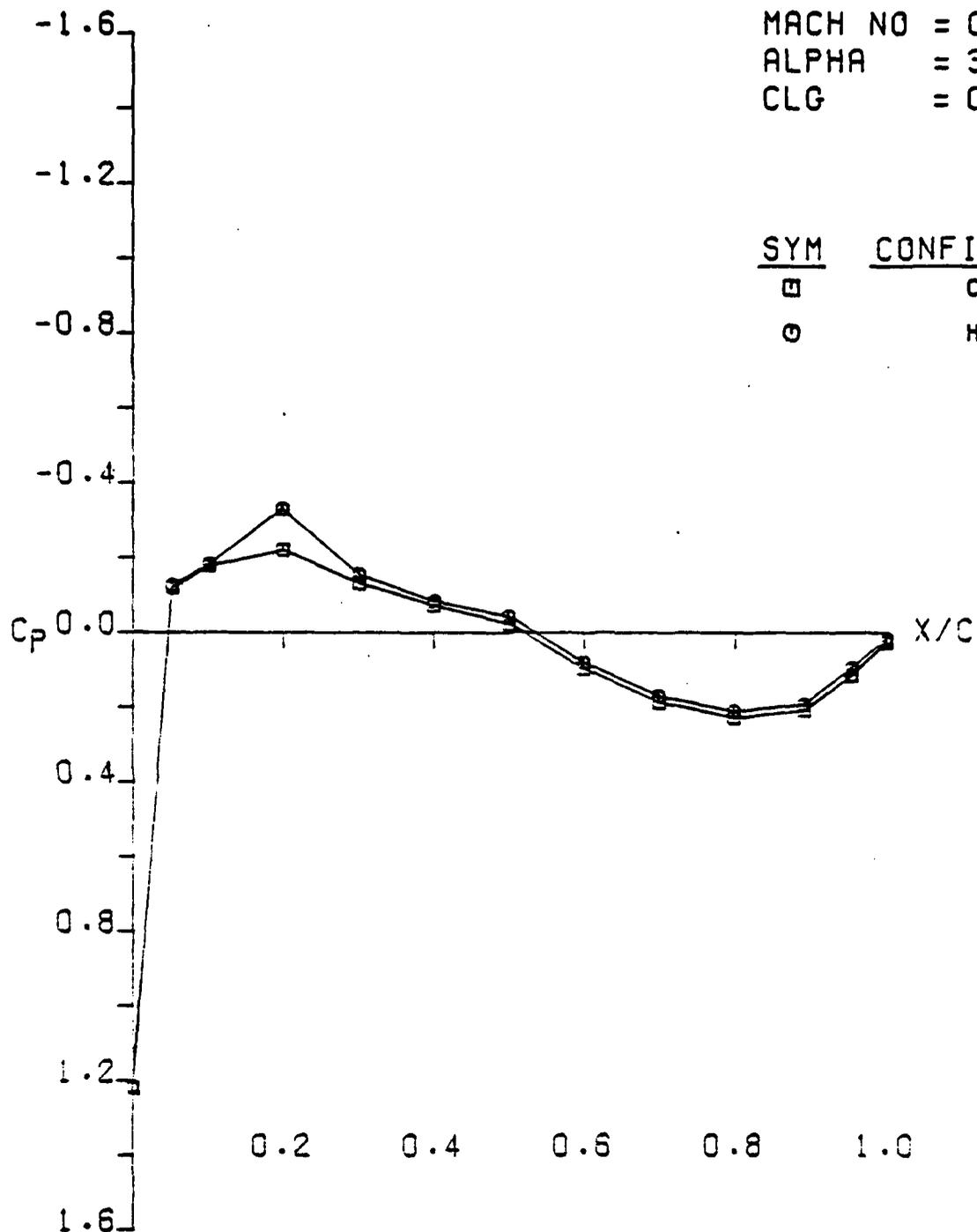
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.900
ALPHA = 3.896
CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS HIGH (LWR SURF ETA.8)
AFOSR SEMISPAN MODEL B



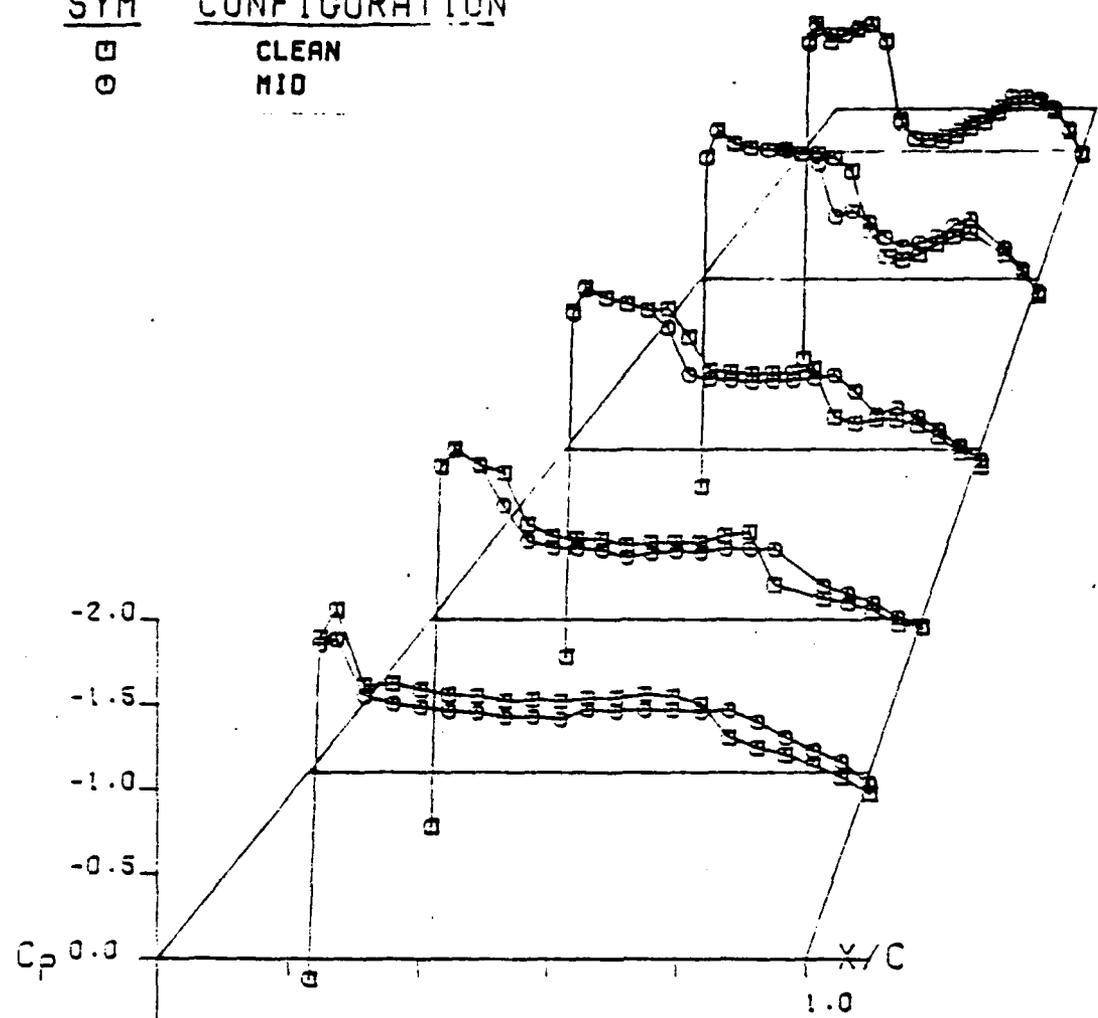
MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS HIGH (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□ CLEAN
 ○ MID

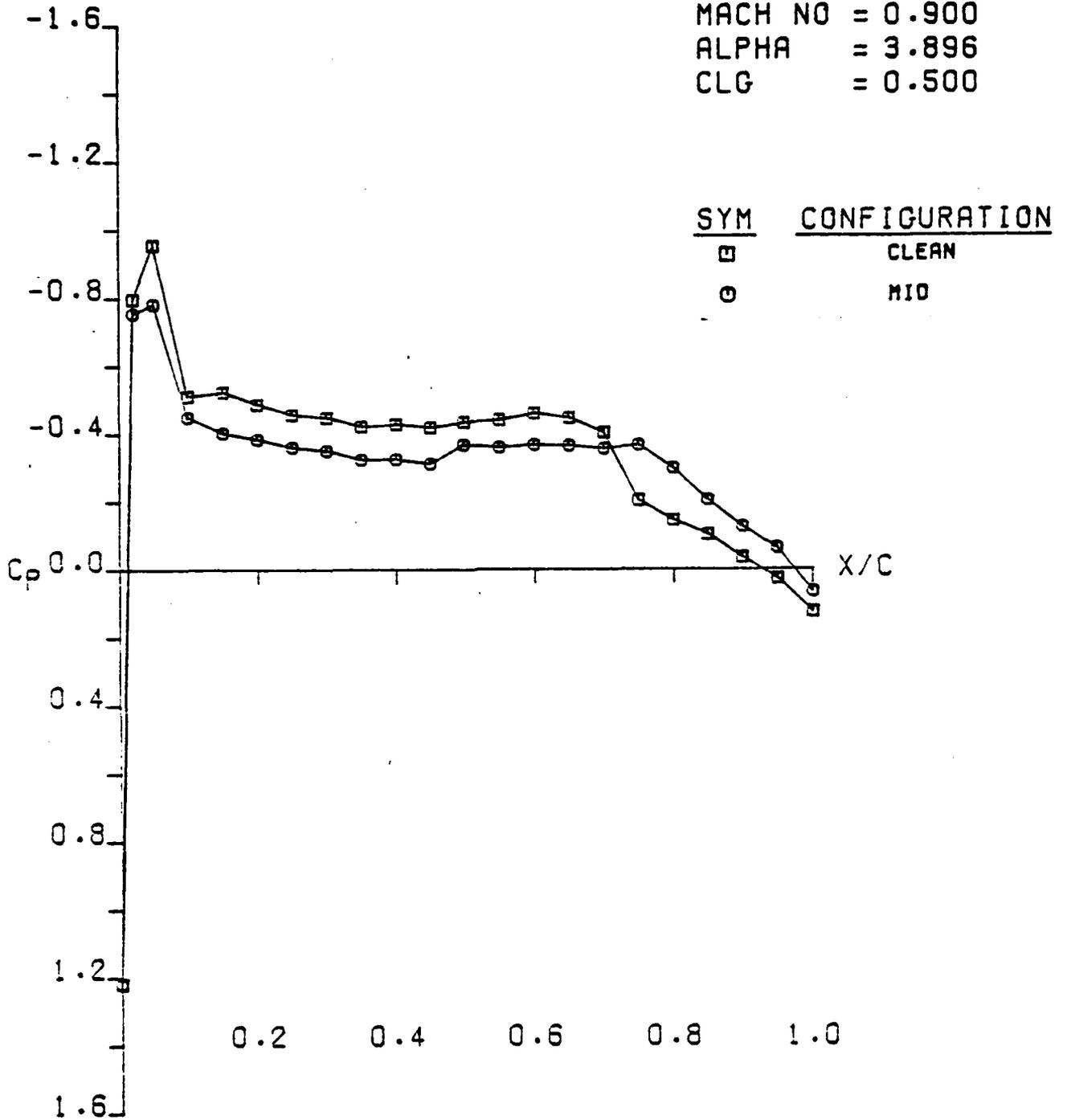


CONDITIONS

MACH NO = 3.300
 ALPHA = 3.896
 CL = 0.500
 CO = 0.038
 CM = -0.084
 CLG = 0.500

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF)
 AFOSR SEMISPAN MODEL 8

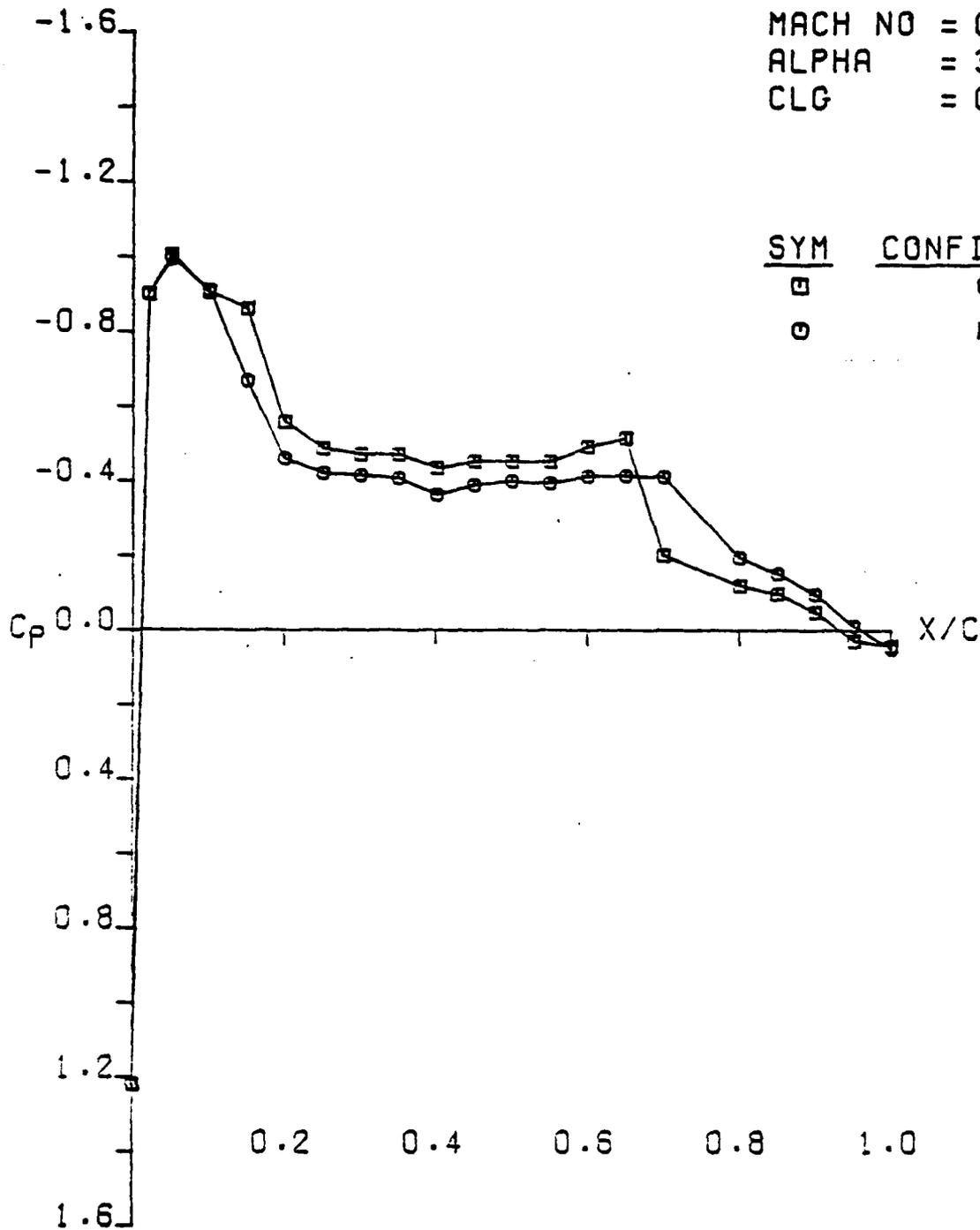
MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

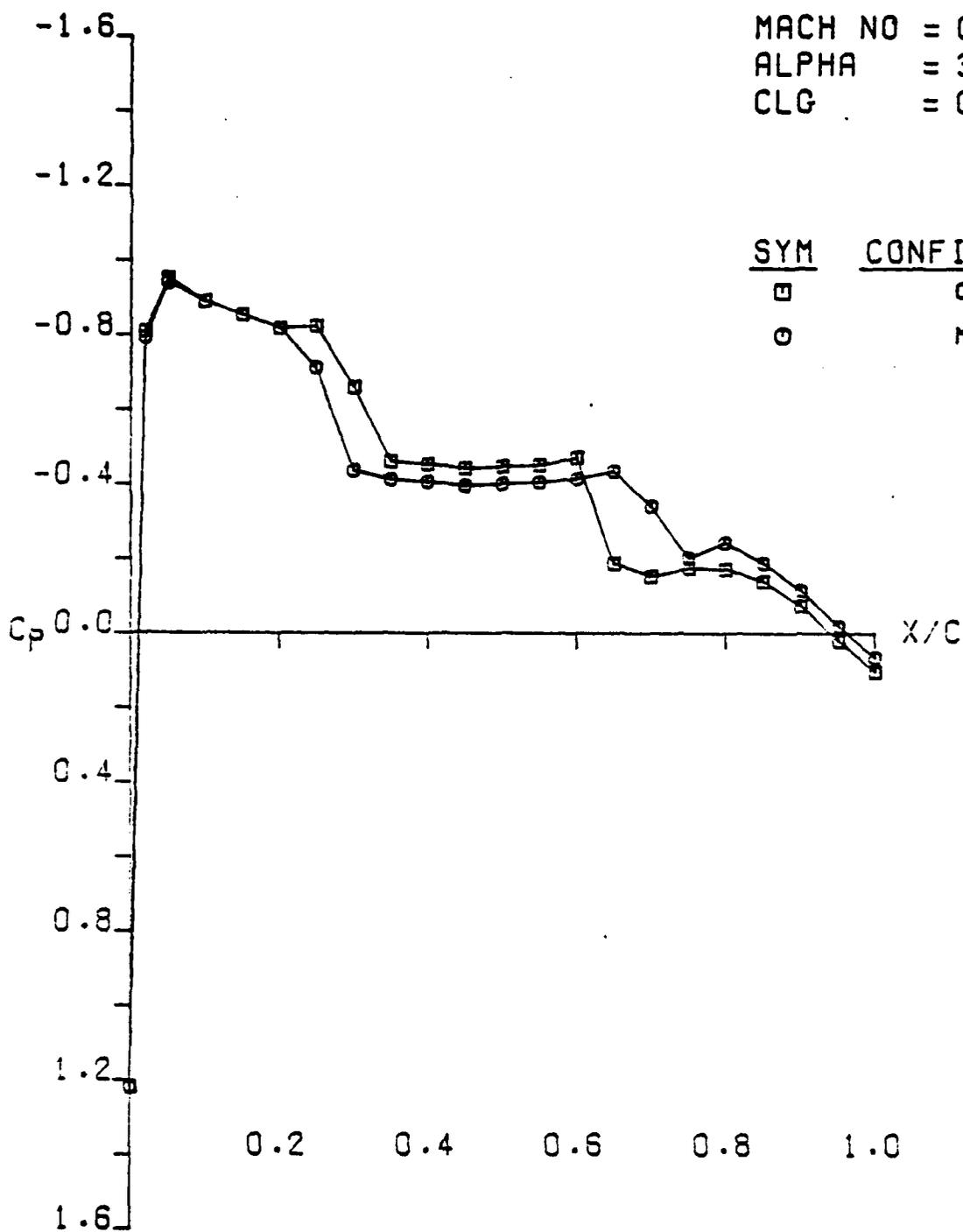
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .40)
 AFCSR SEMISPAN MODEL 8

MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

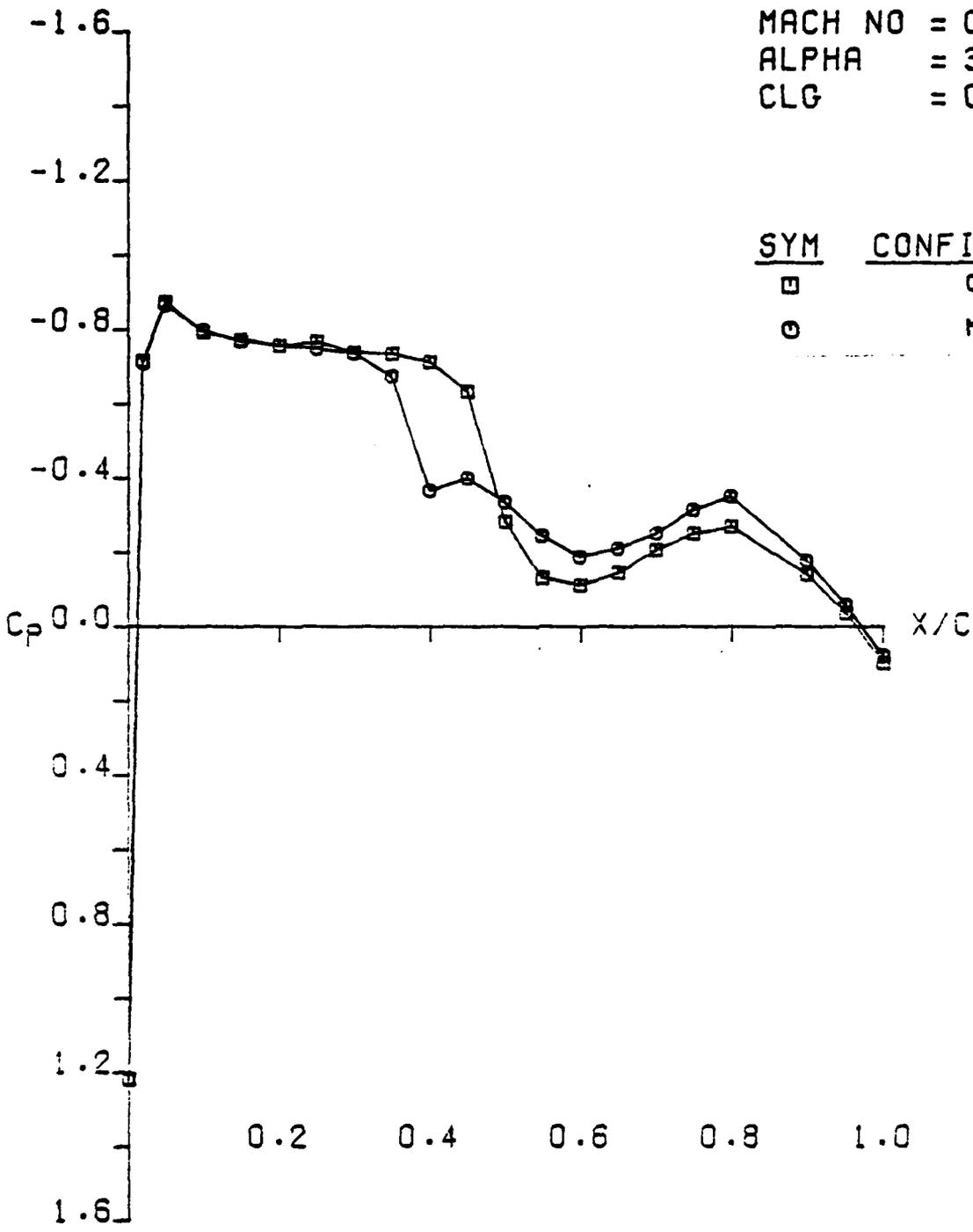
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



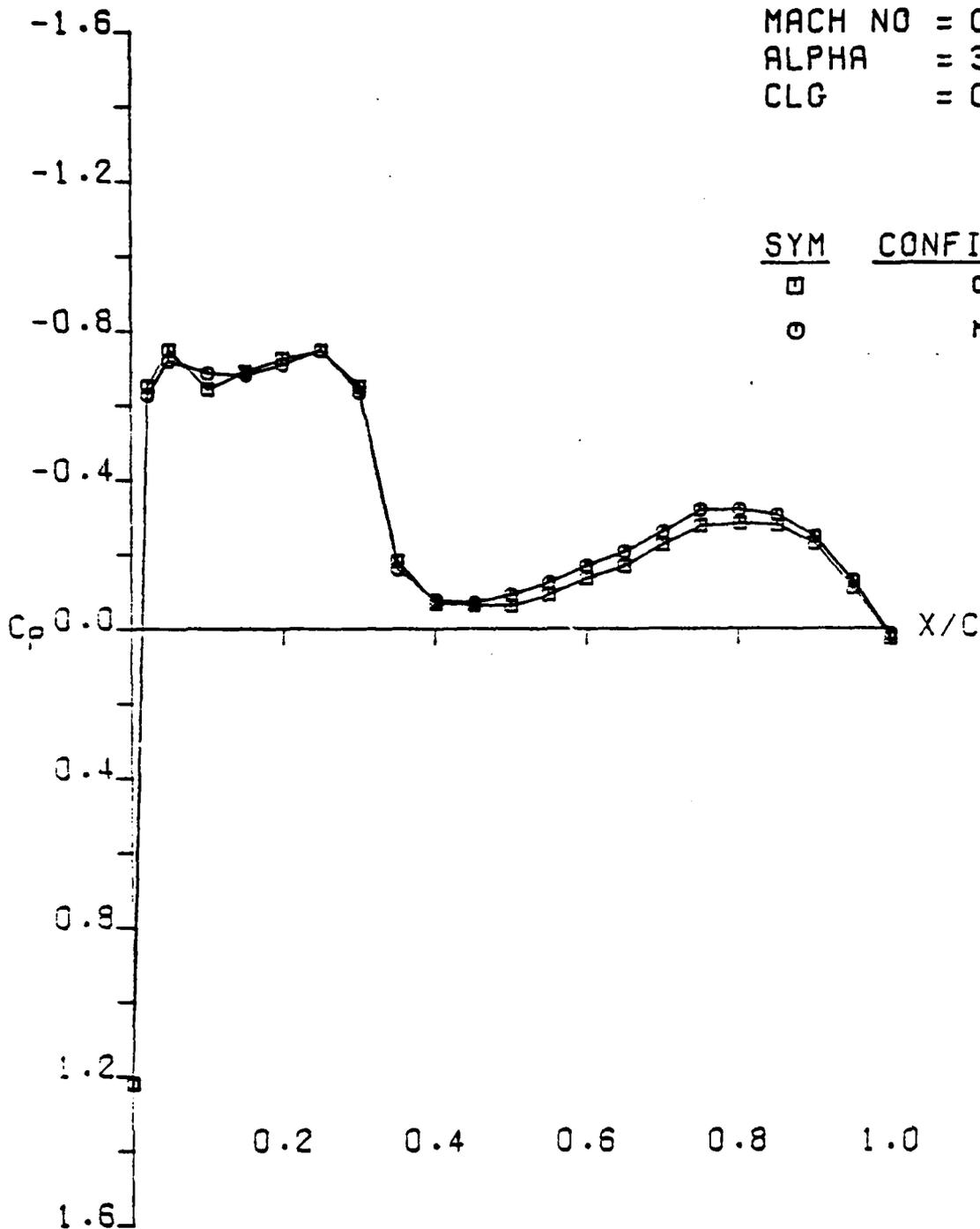
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL 3

MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B



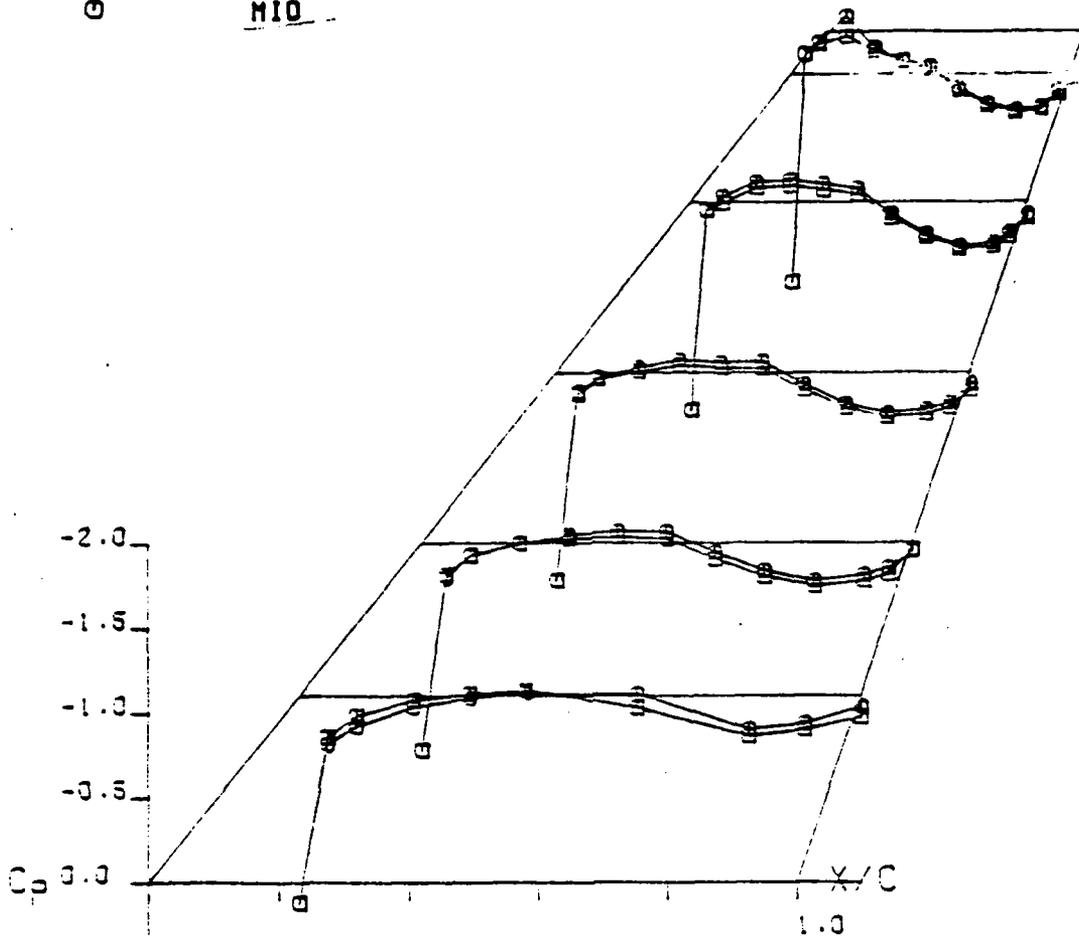
MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

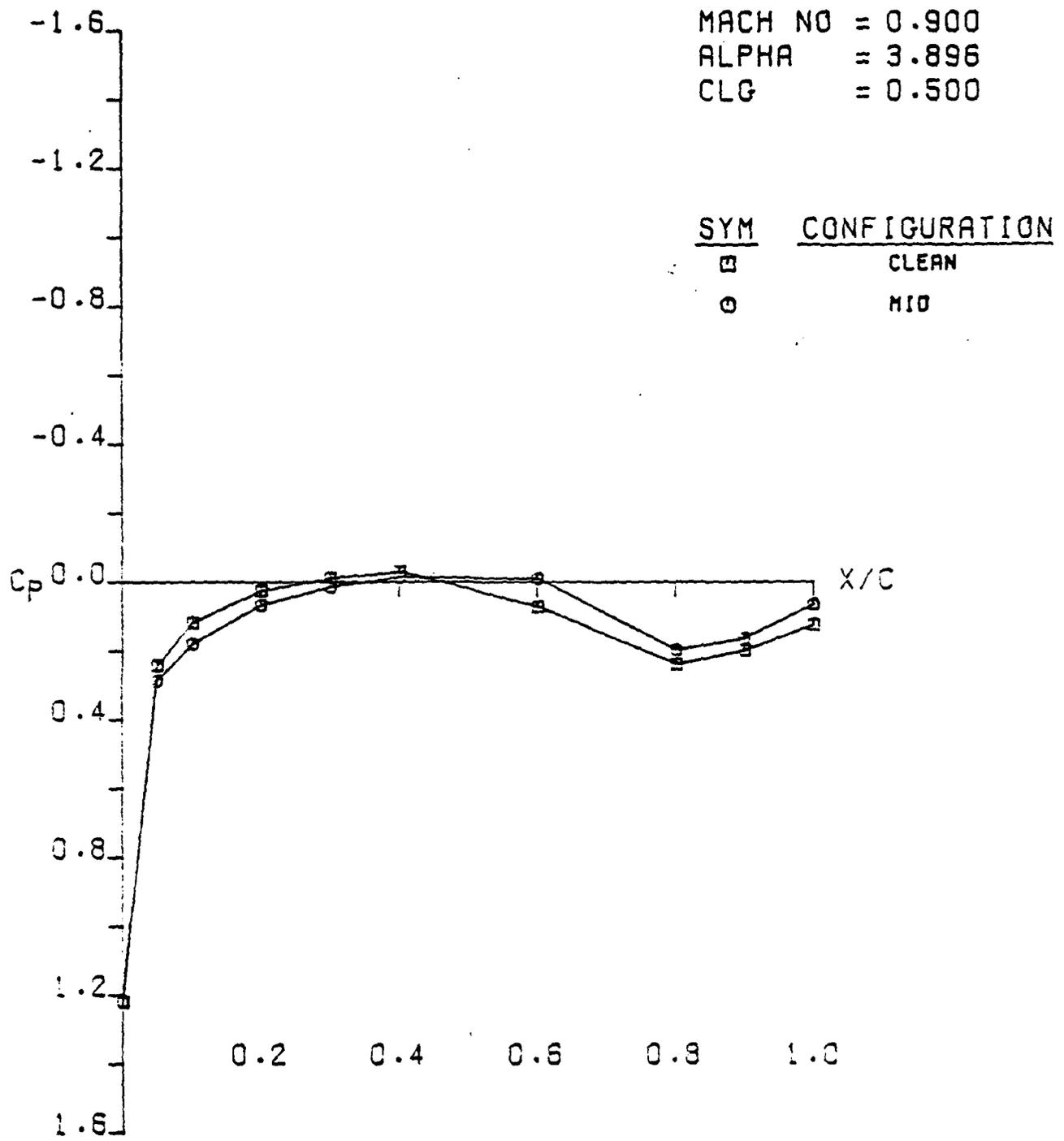
□ CLEAN
 ○ MID



CONDITIONS

MACH NO = 0.300
 ALPHA = 3.396
 CL = 0.500
 CO = 0.038
 CM = -0.084
 CLG = 0.500

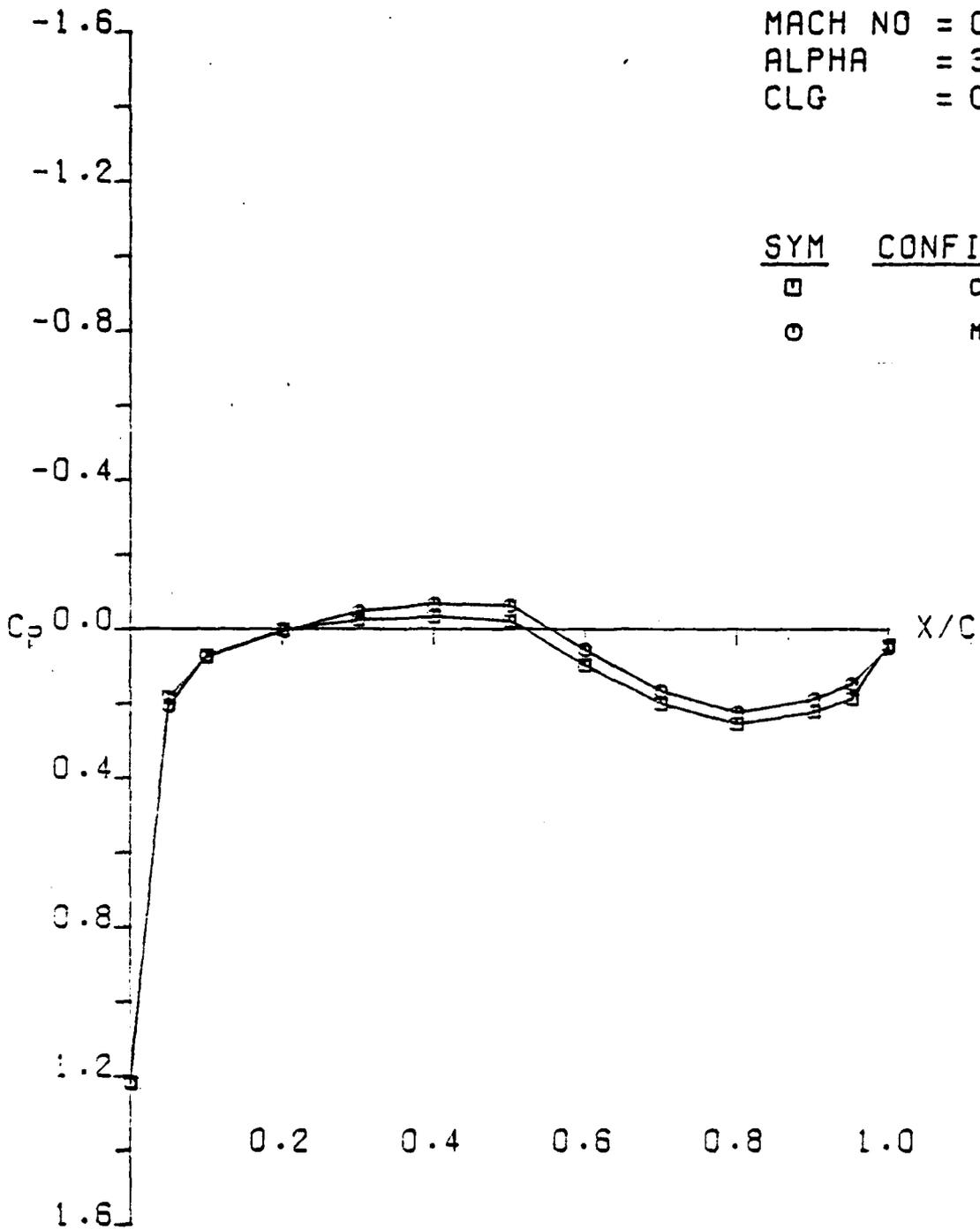
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (LWR SURF)
 AFOSR SEMISPAN MODEL B



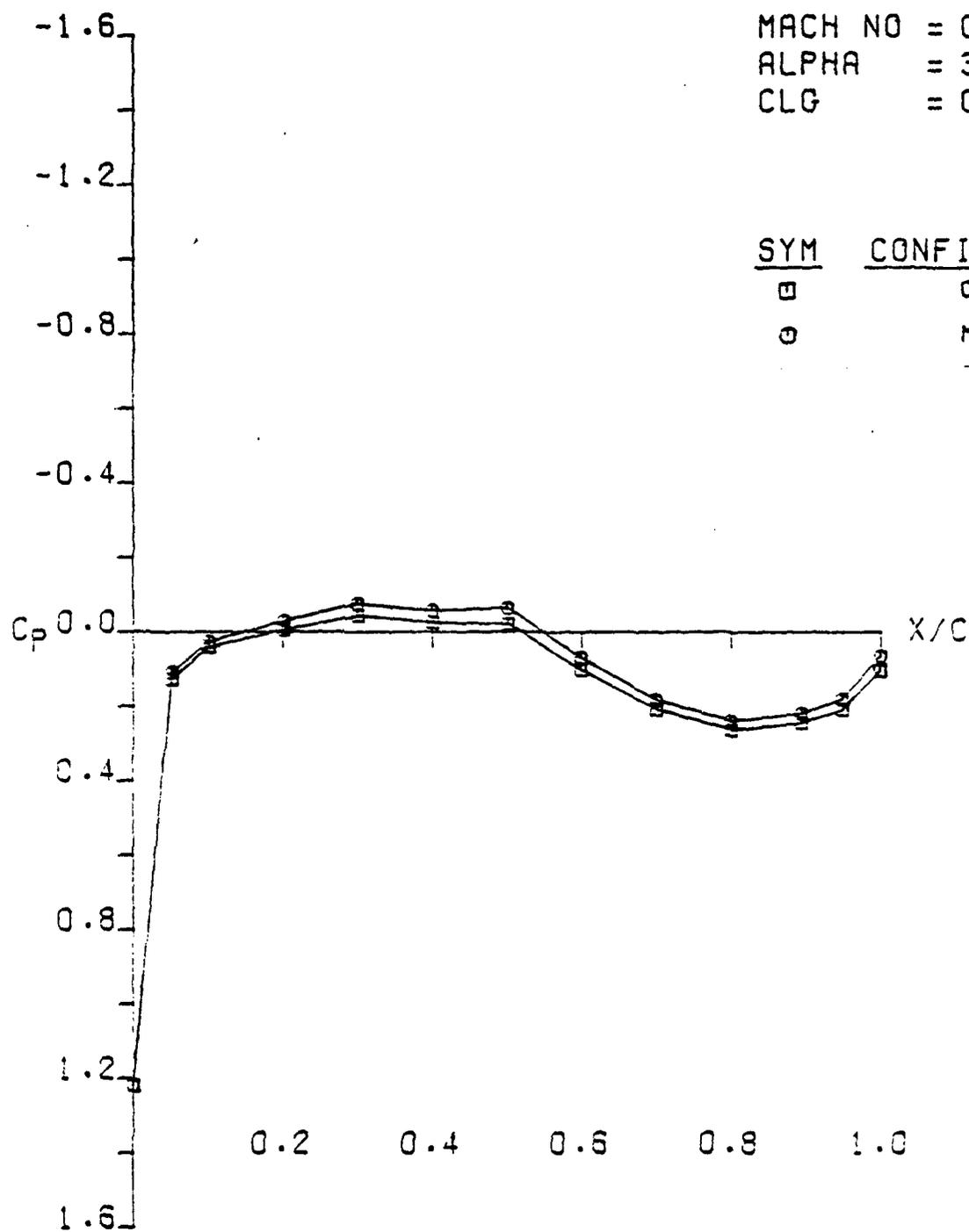
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.900
ALPHA = 3.896
CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



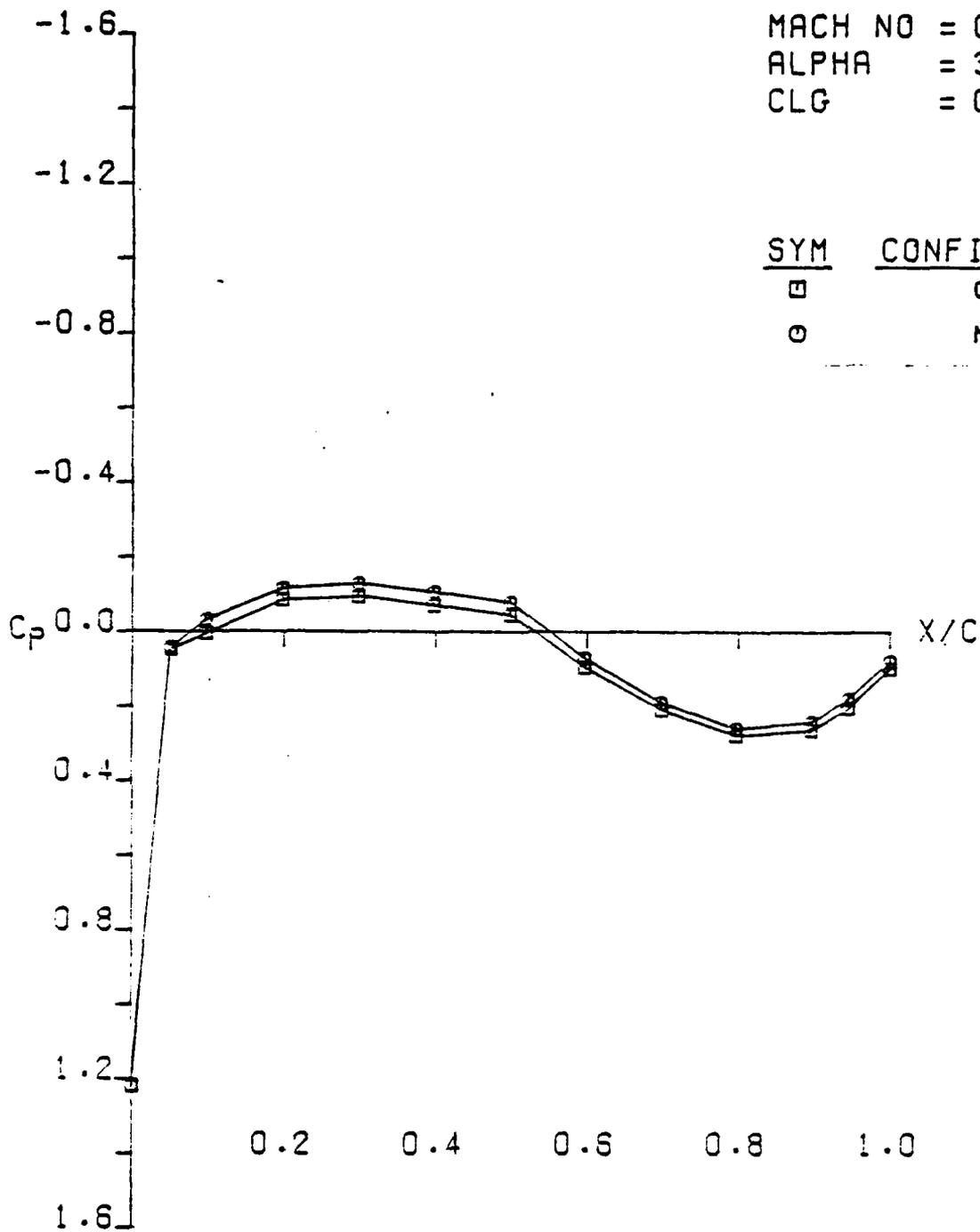
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS MID (LWR SURF ETA.4)
AFOSR SEMISPAN MODEL B



MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (LWR SURF ETA.60)
 AFOSR SEMISPAN MODEL B



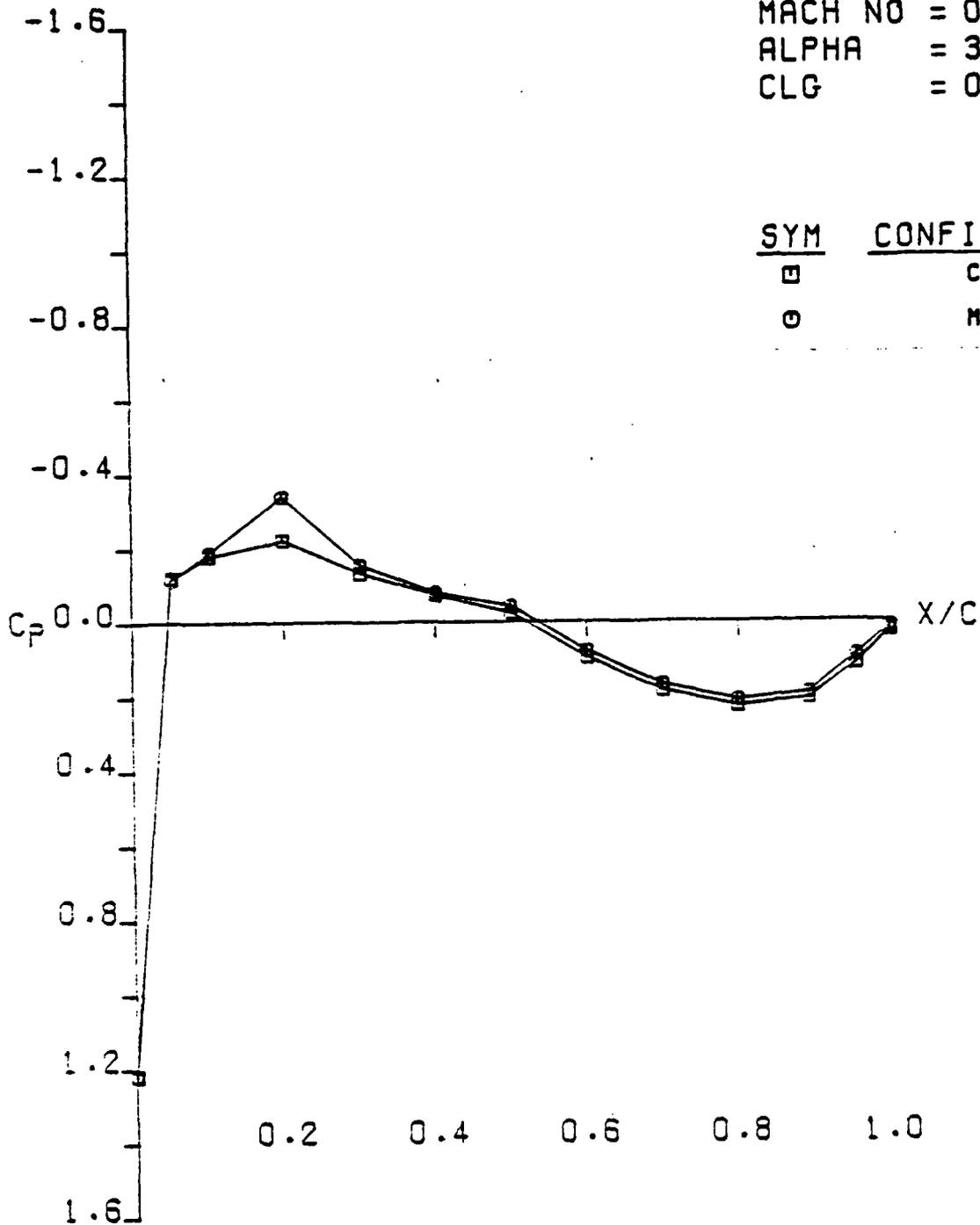
MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (LWR SURF ETA.8)
 AFOSR SEMISPAN MODEL 3

MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

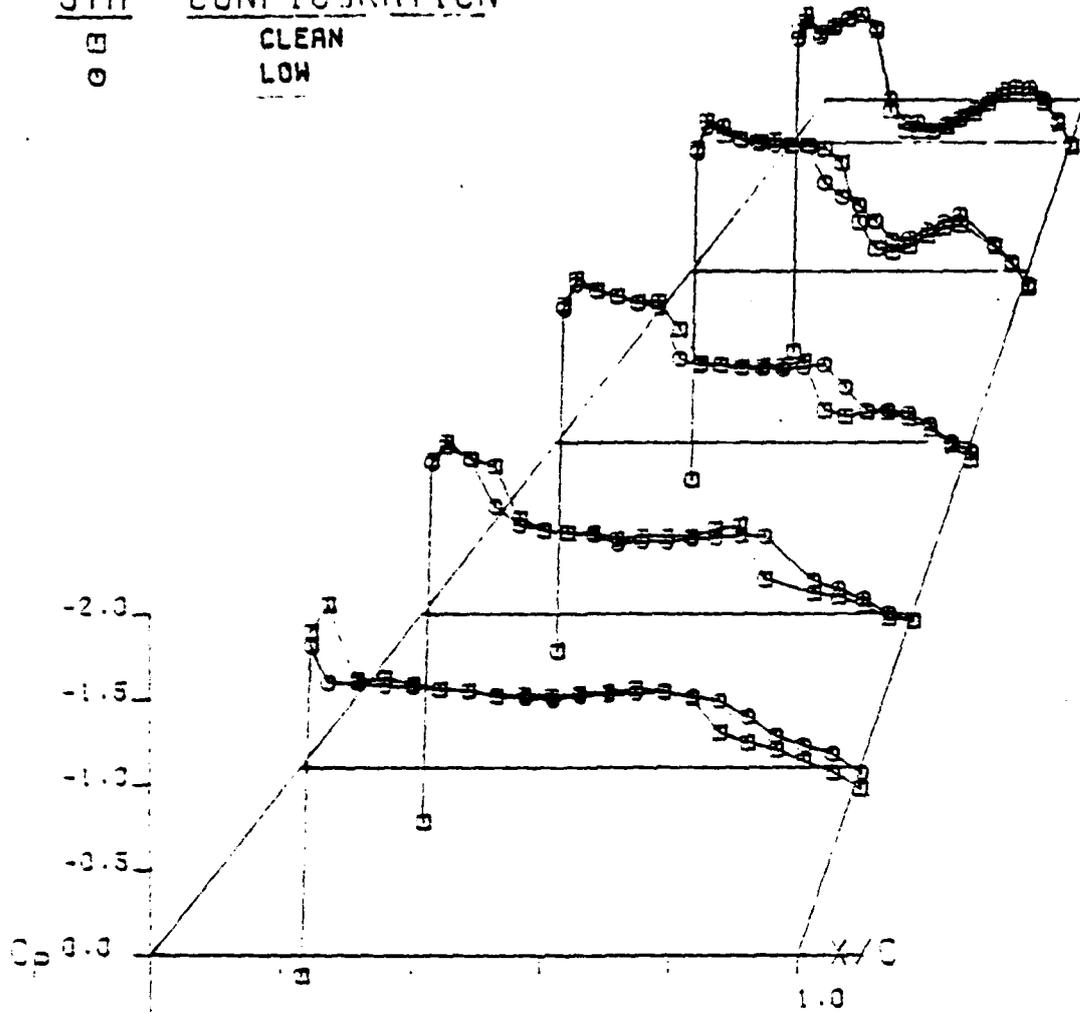
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS MID (LWR SURF ETA.95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

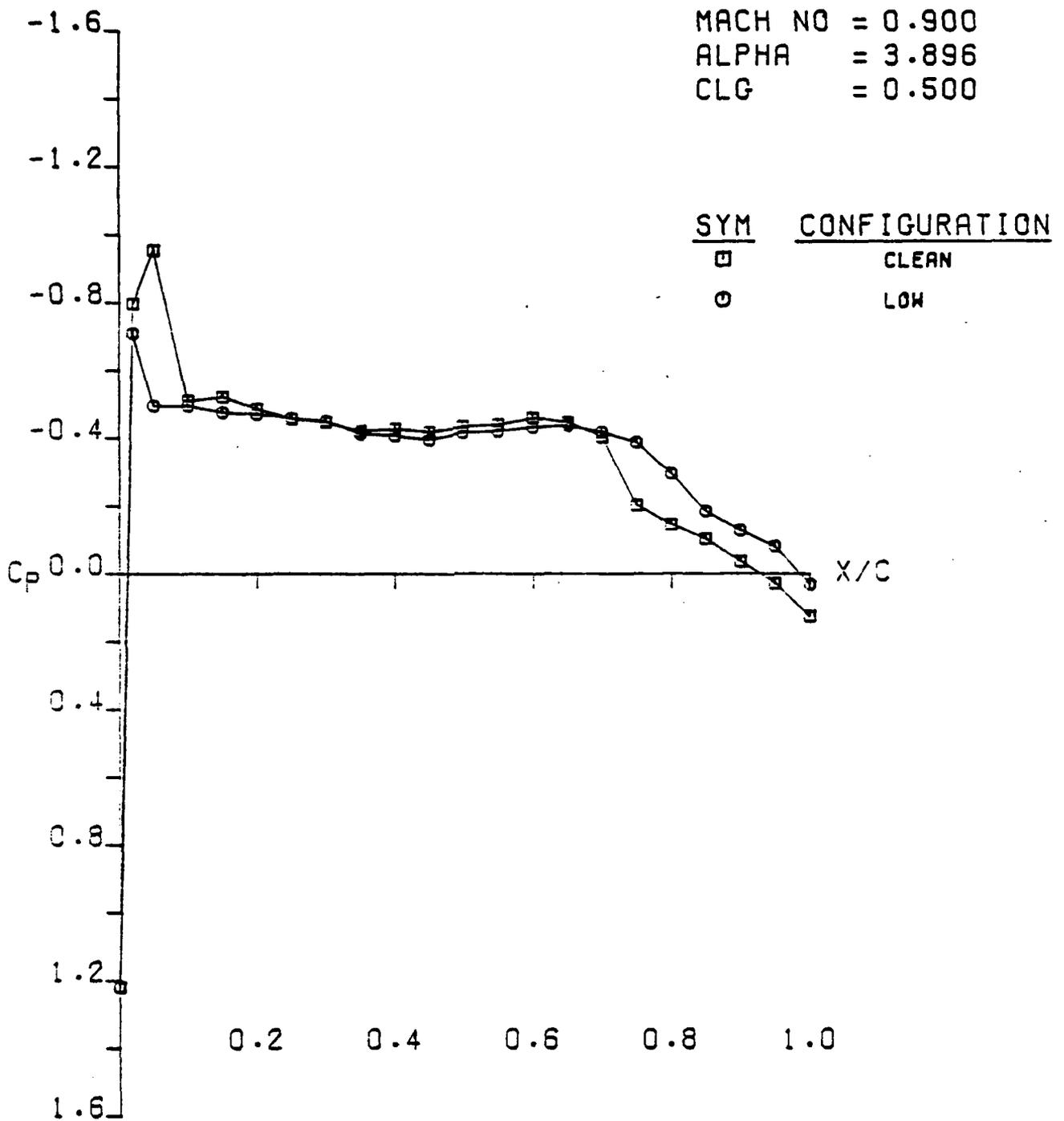
□ CLEAN
 ○ LOW



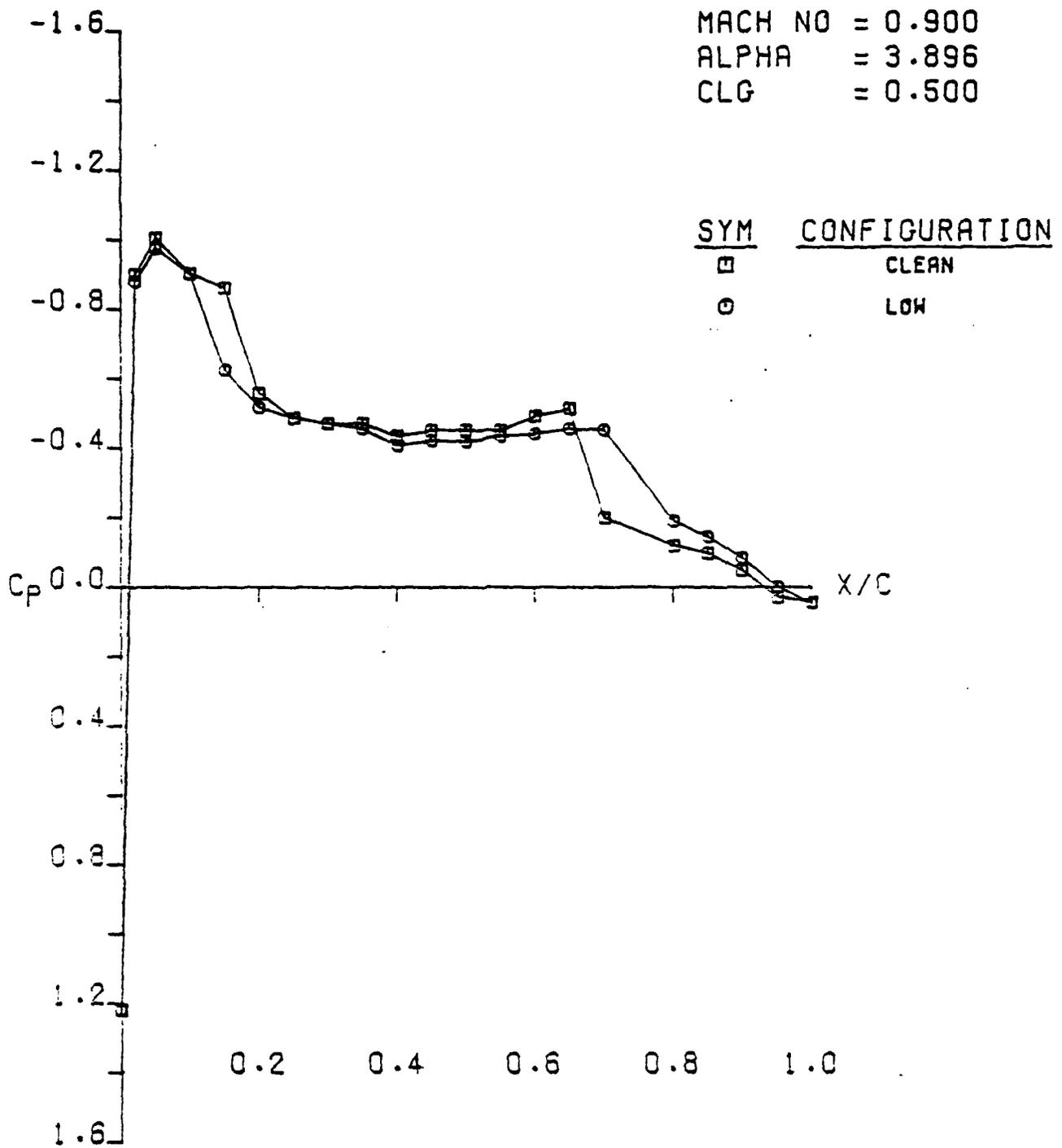
CONDITIONS

MACH NO = 0.900
 ALPHA = 3.396
 CL = 0.500
 CD = 0.038
 CM = -0.084
 CLG = 0.500

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF)
 AFOSR SEMISPAN MODEL B



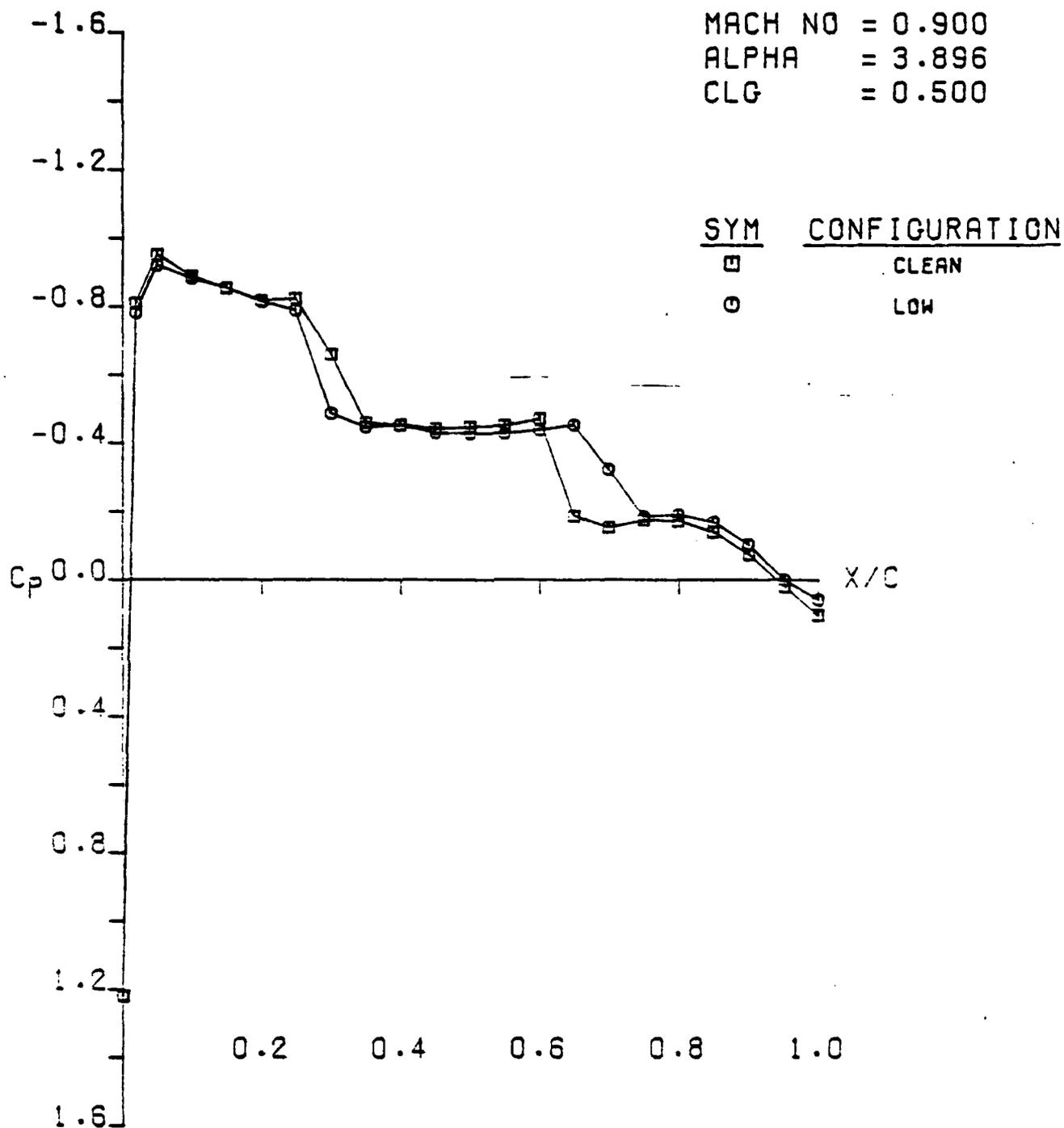
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA.216)
 AFOSR SEMISPAN MODEL B



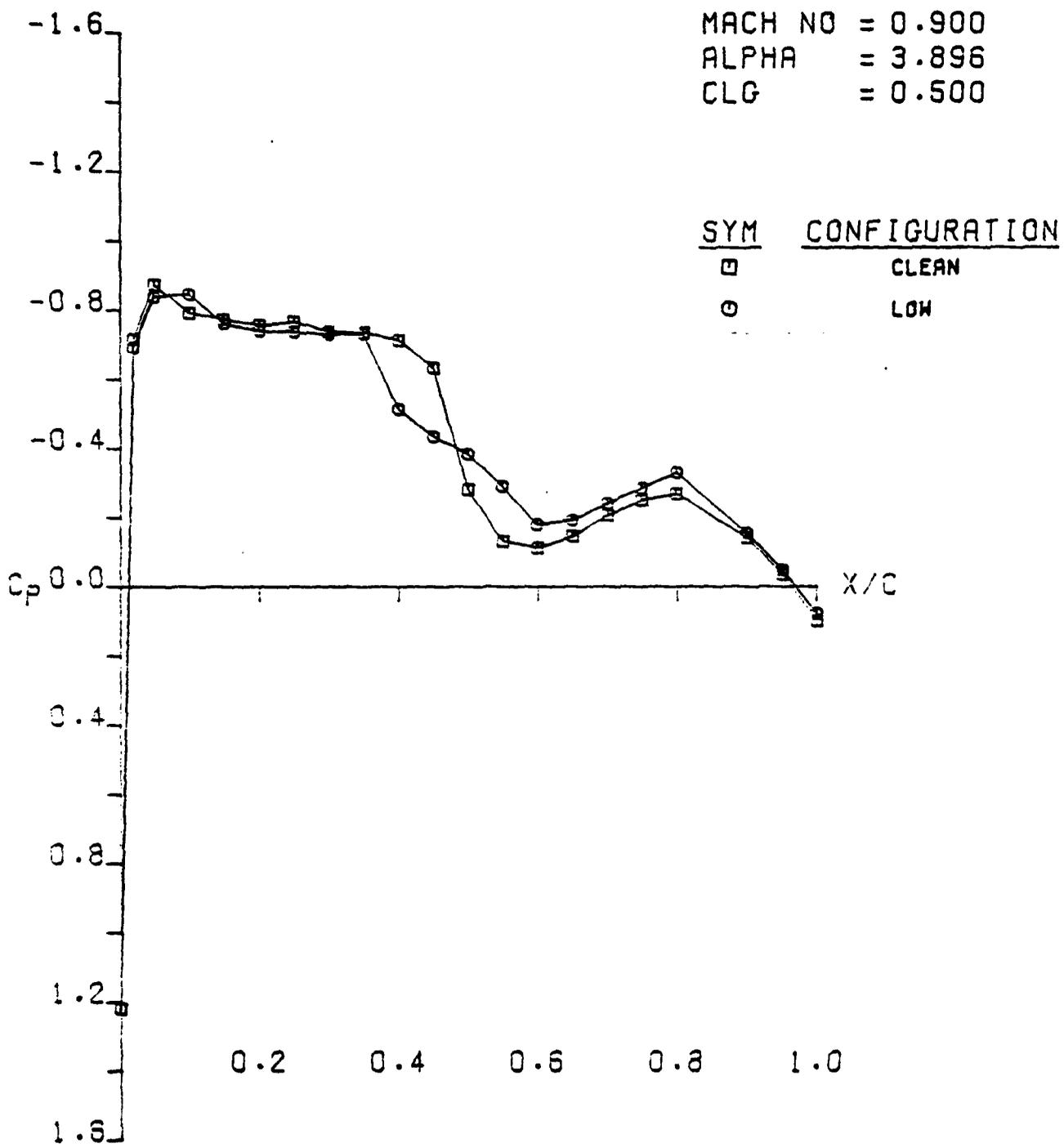
MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .40)
 AFOSR SEMISPAN MODEL B



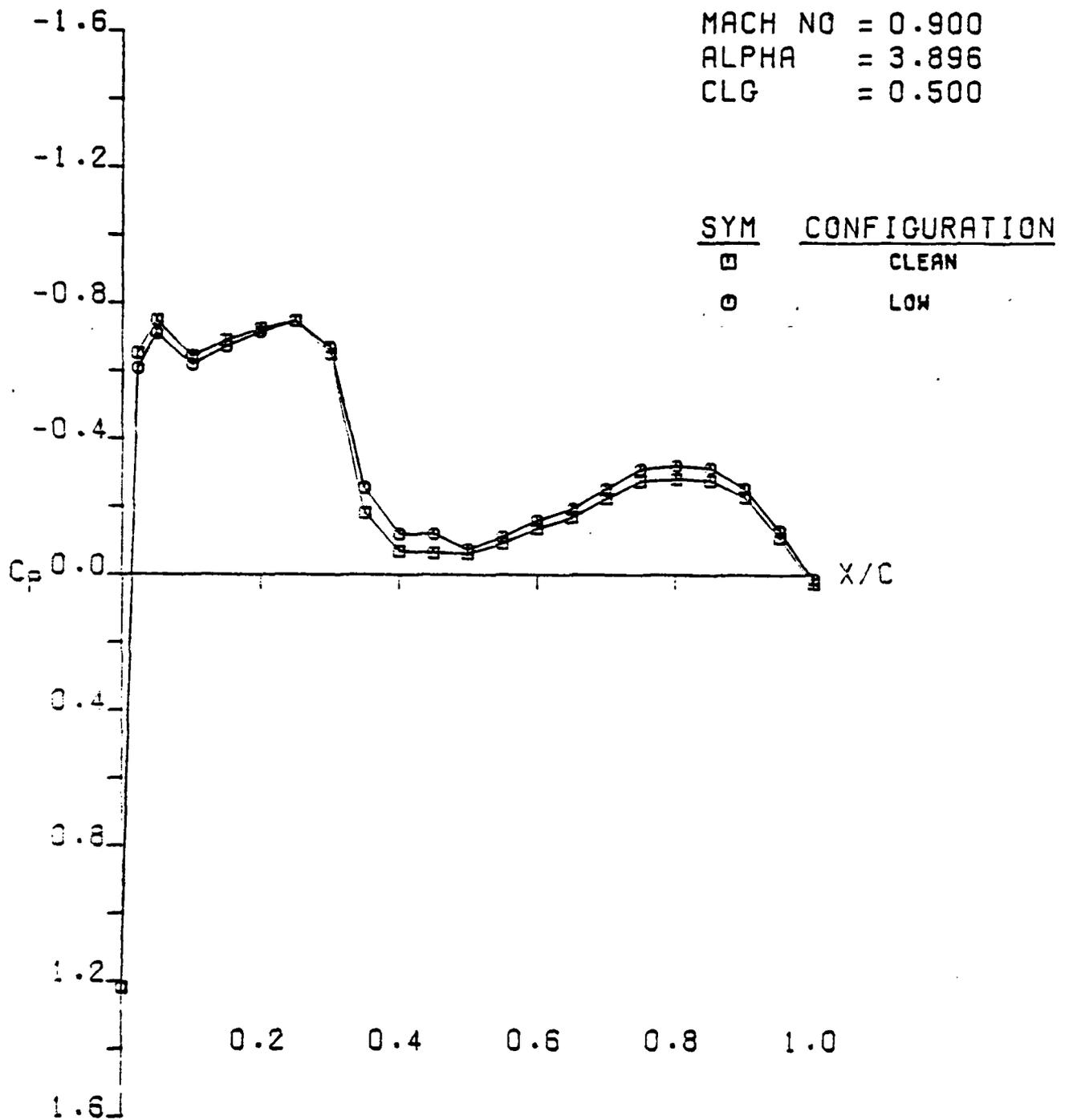
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .60)
 AFOSR SEMISPAN MODEL B



MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

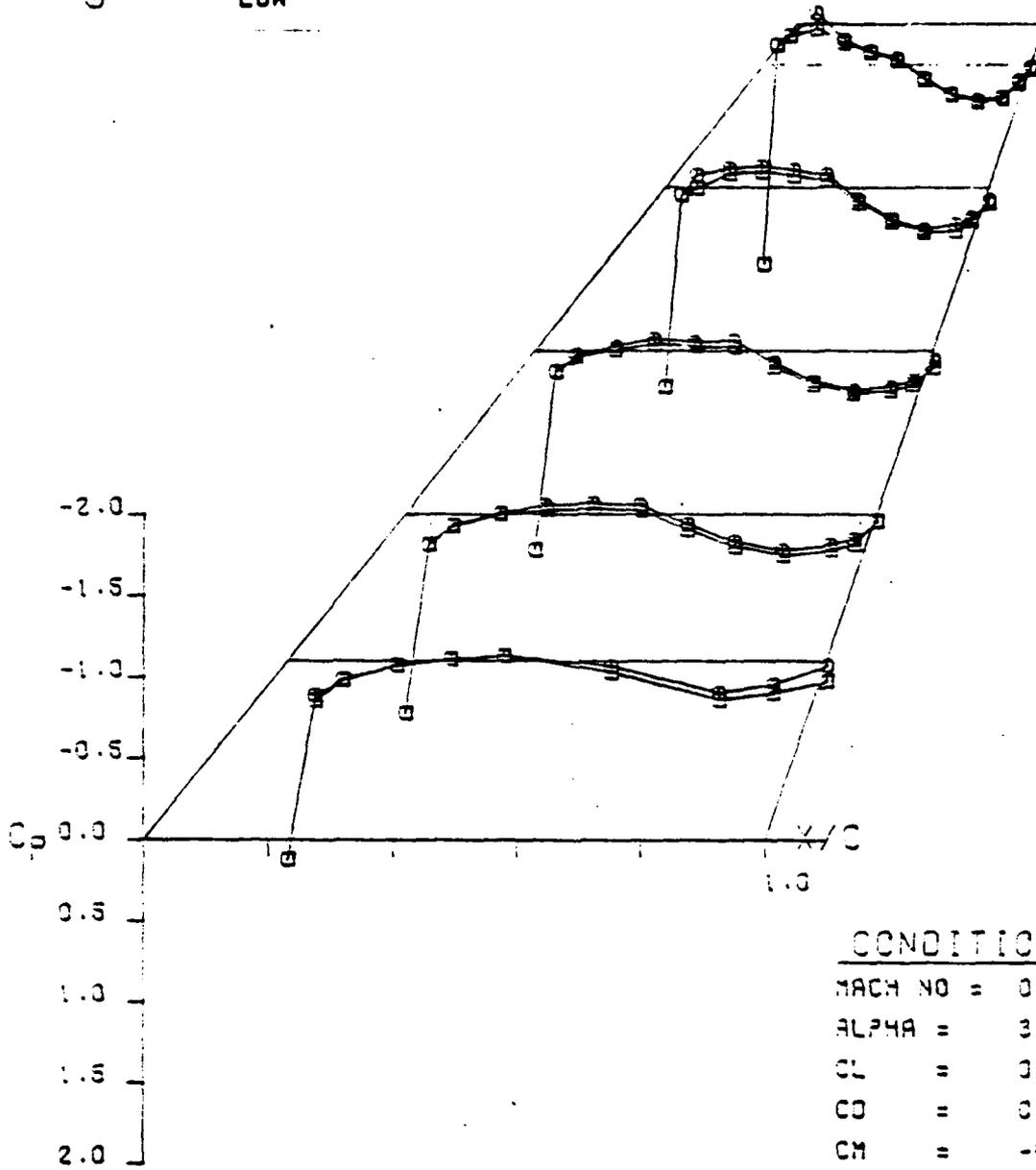
LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .8)
 AFOSR SEMISPAN MODEL B



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (UPR SURF ETA .95)
 AFOSR SEMISPAN MODEL B

SYM CONFIGURATION

□ CLEAN
 ○ LOW



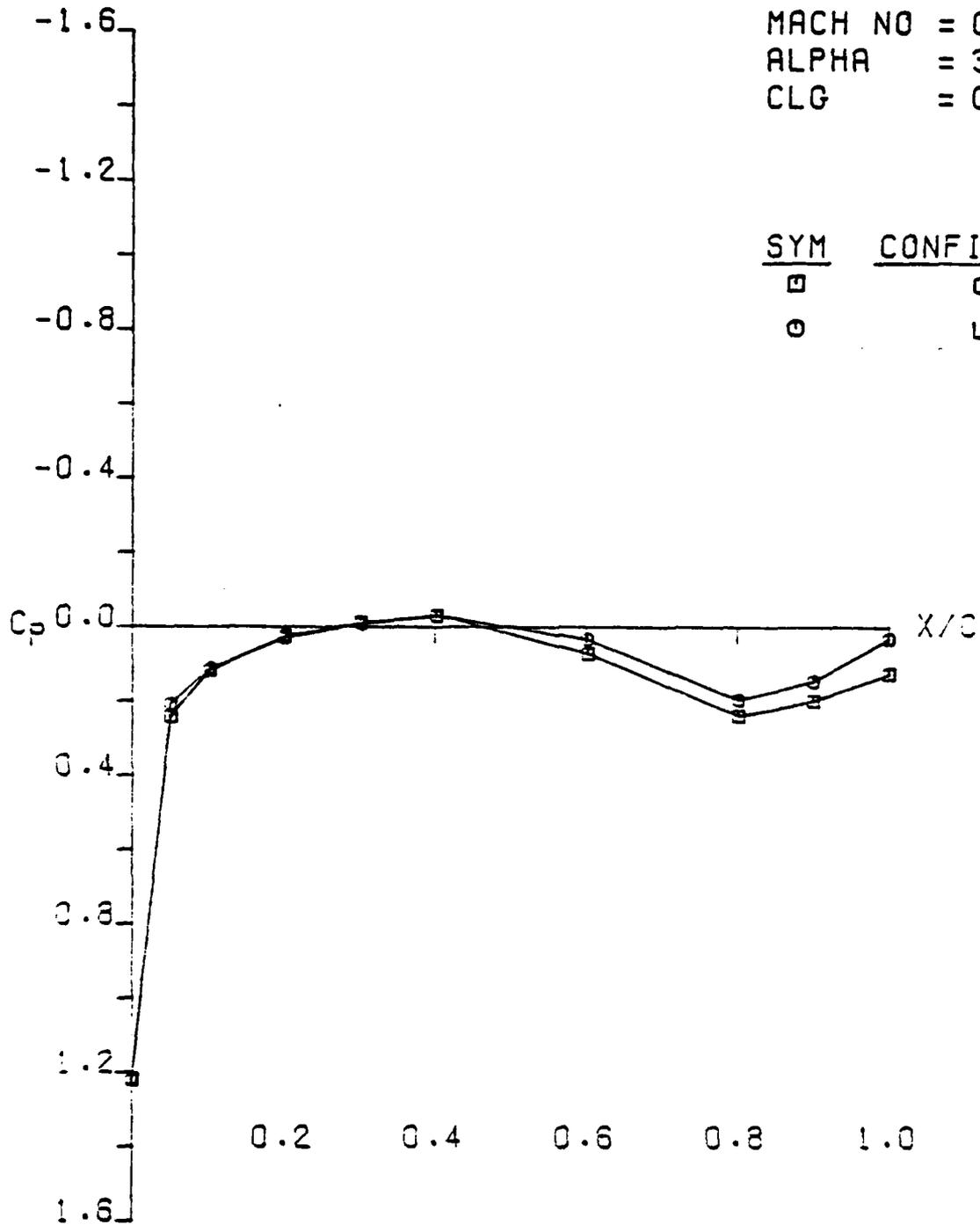
CONDITIONS

MACH NO = 0.300
 ALPHA = 3.396
 CL = 0.500
 CD = 0.038
 CM = -0.084
 CLG = 0.500

LOCKHEED CFWT SEMI-SPAN TEST. RUN 29
 CLN VS LOW (LWR SURF)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

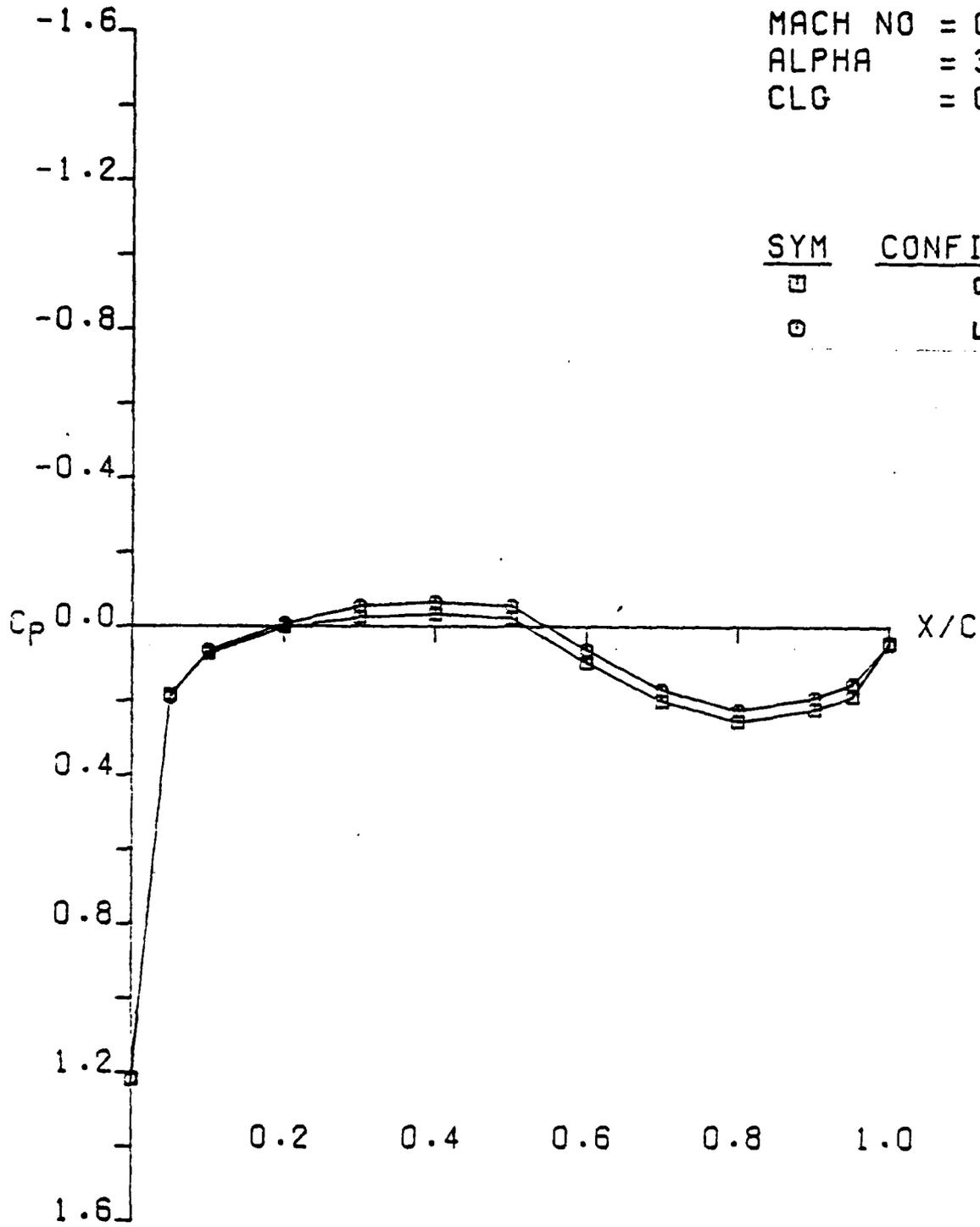
SYM	CONFIGURATION
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (LWR SURF ETA.216)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.900
 ALPHA = 3.896
 CLG = 0.500

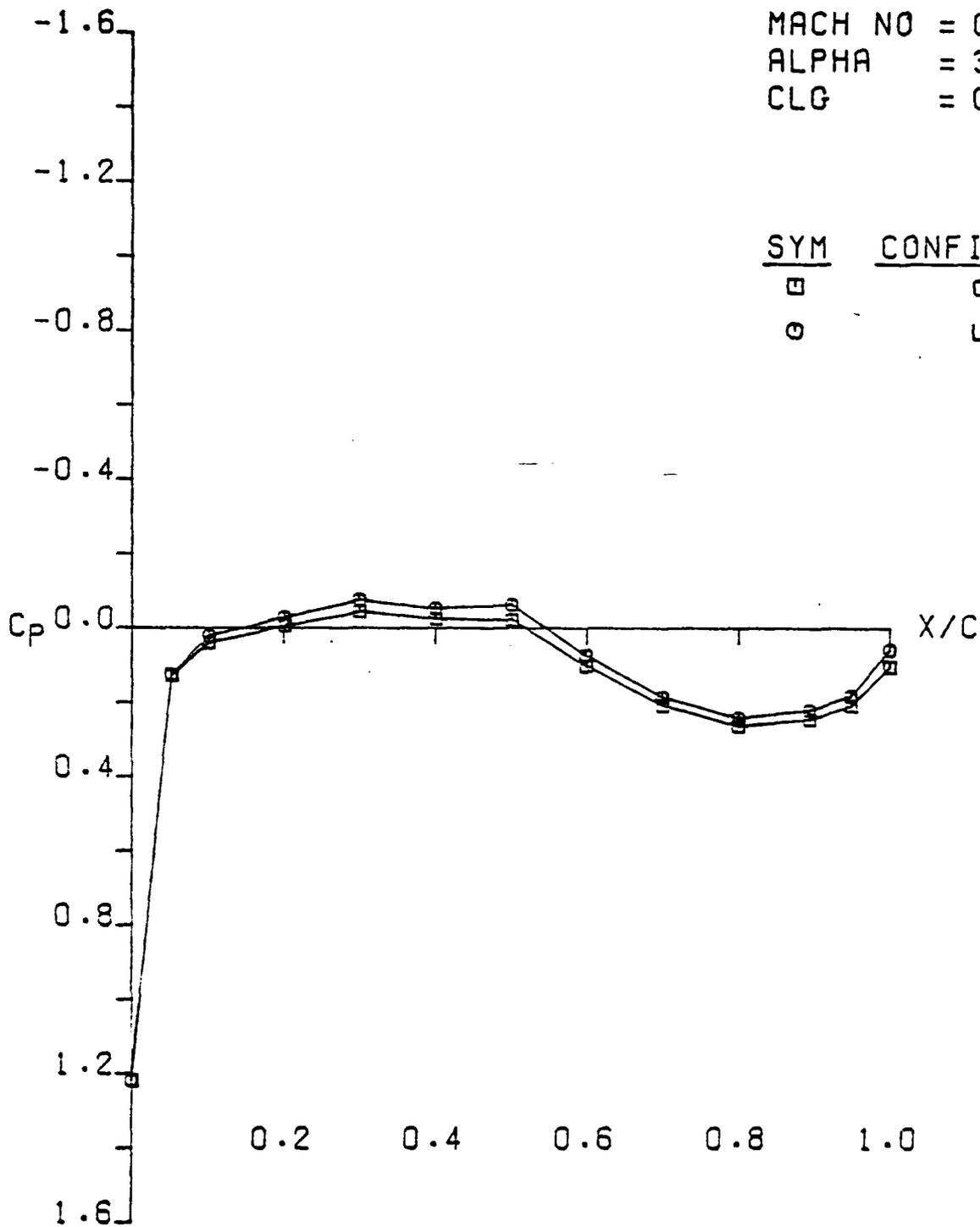
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
 CLN VS LOW (LWR SURF ETA.4)
 AFOSR SEMISPAN MODEL B

MACH NO = 0.900
ALPHA = 3.896
CLG = 0.500

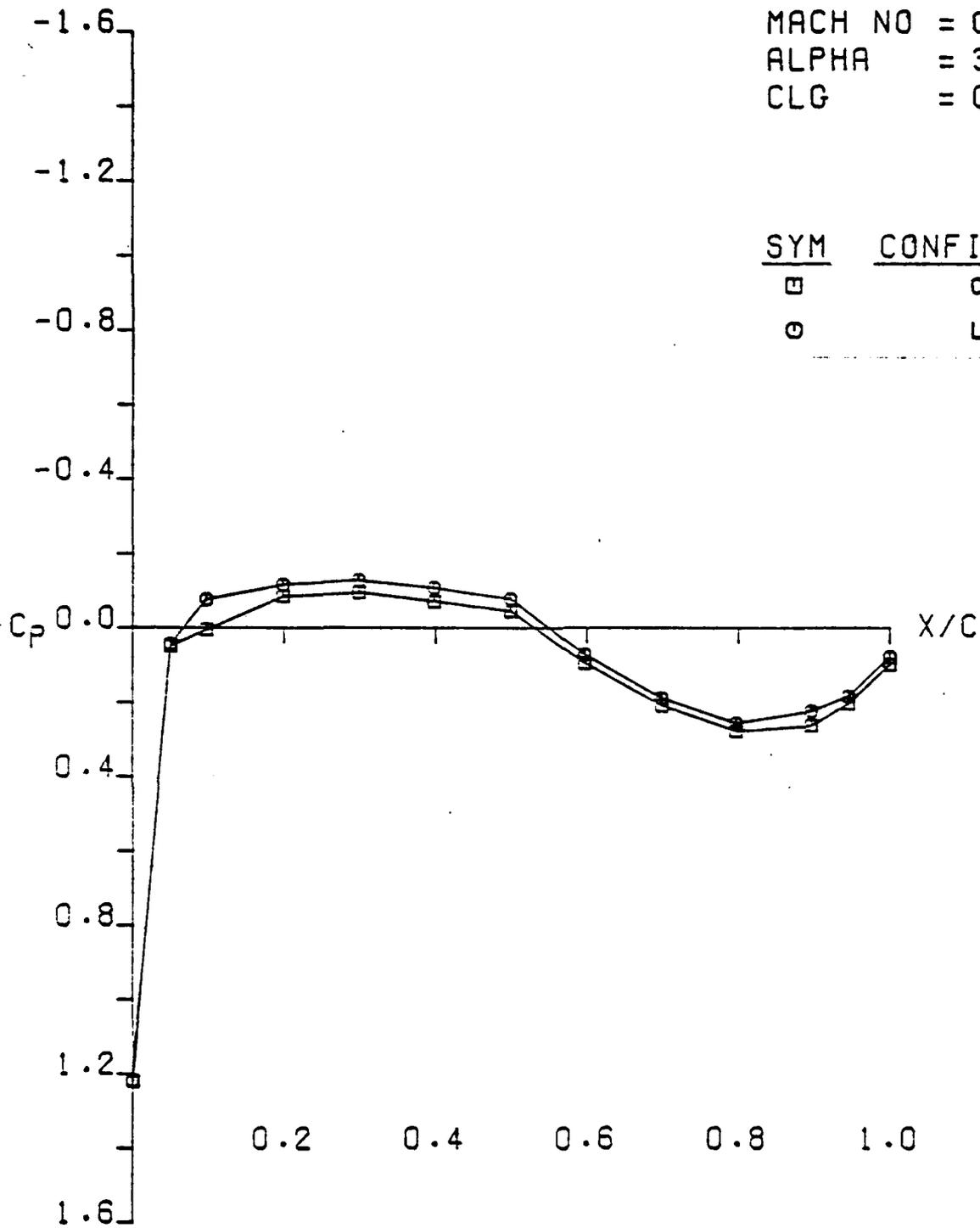
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (LWR SURF ETA.60)
AFOSR SEMISPAN MODEL B

MACH NO = 0.900
ALPHA = 3.896
CLG = 0.500

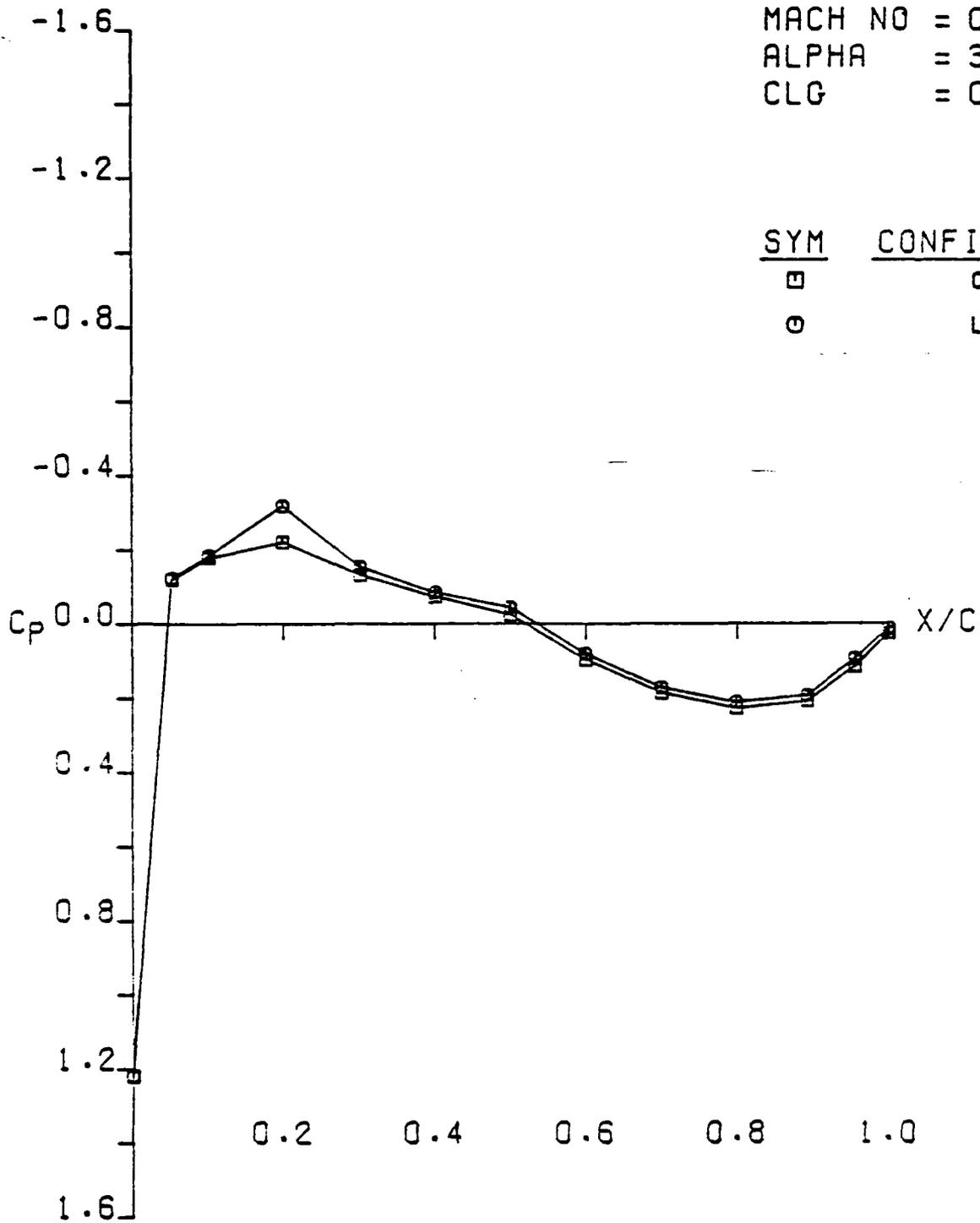
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (LWR SURF ETA.8)
AFOSR SEMISPAN MODEL B

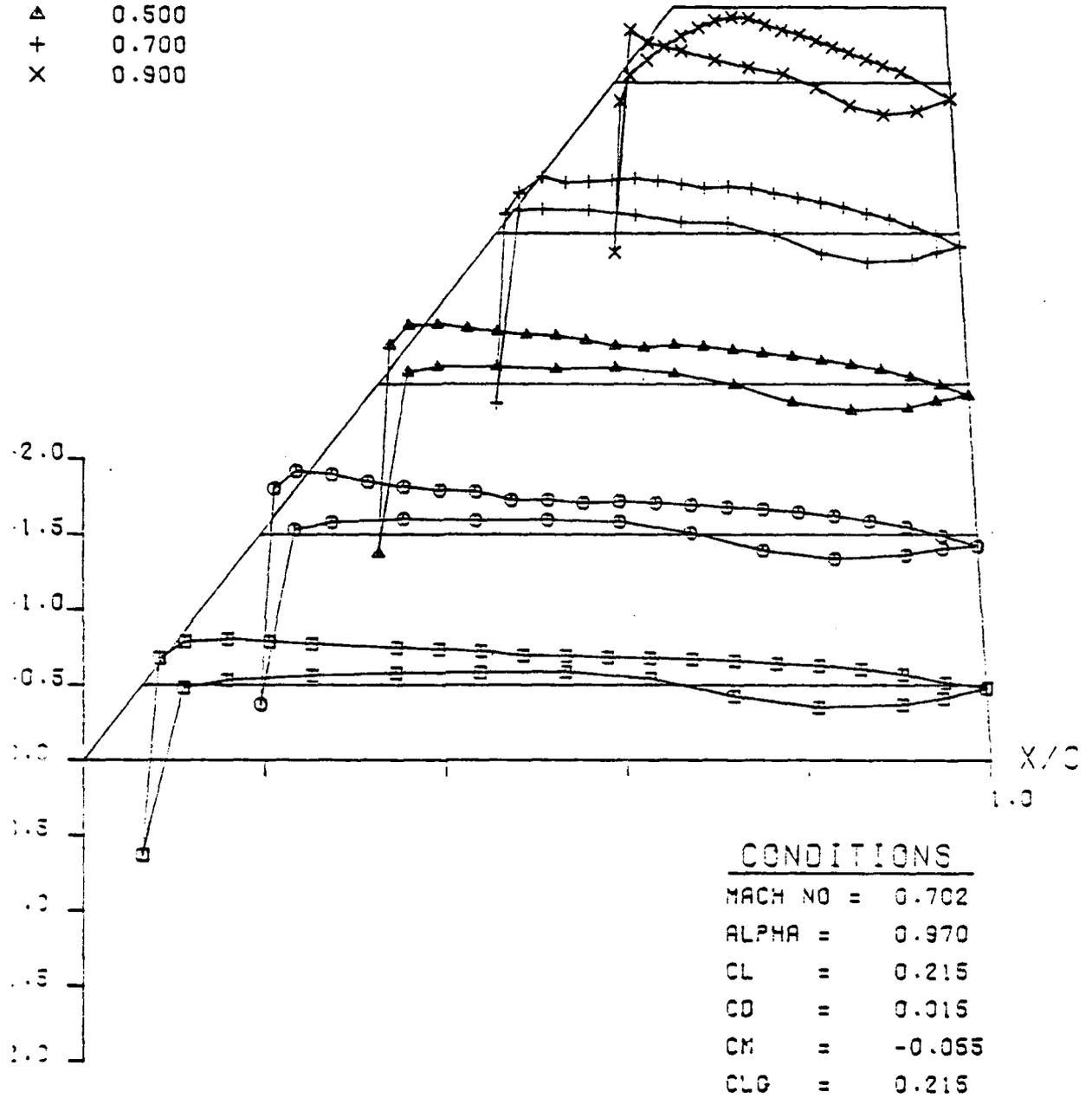
MACH NO = 0.900
ALPHA = 3.896
CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

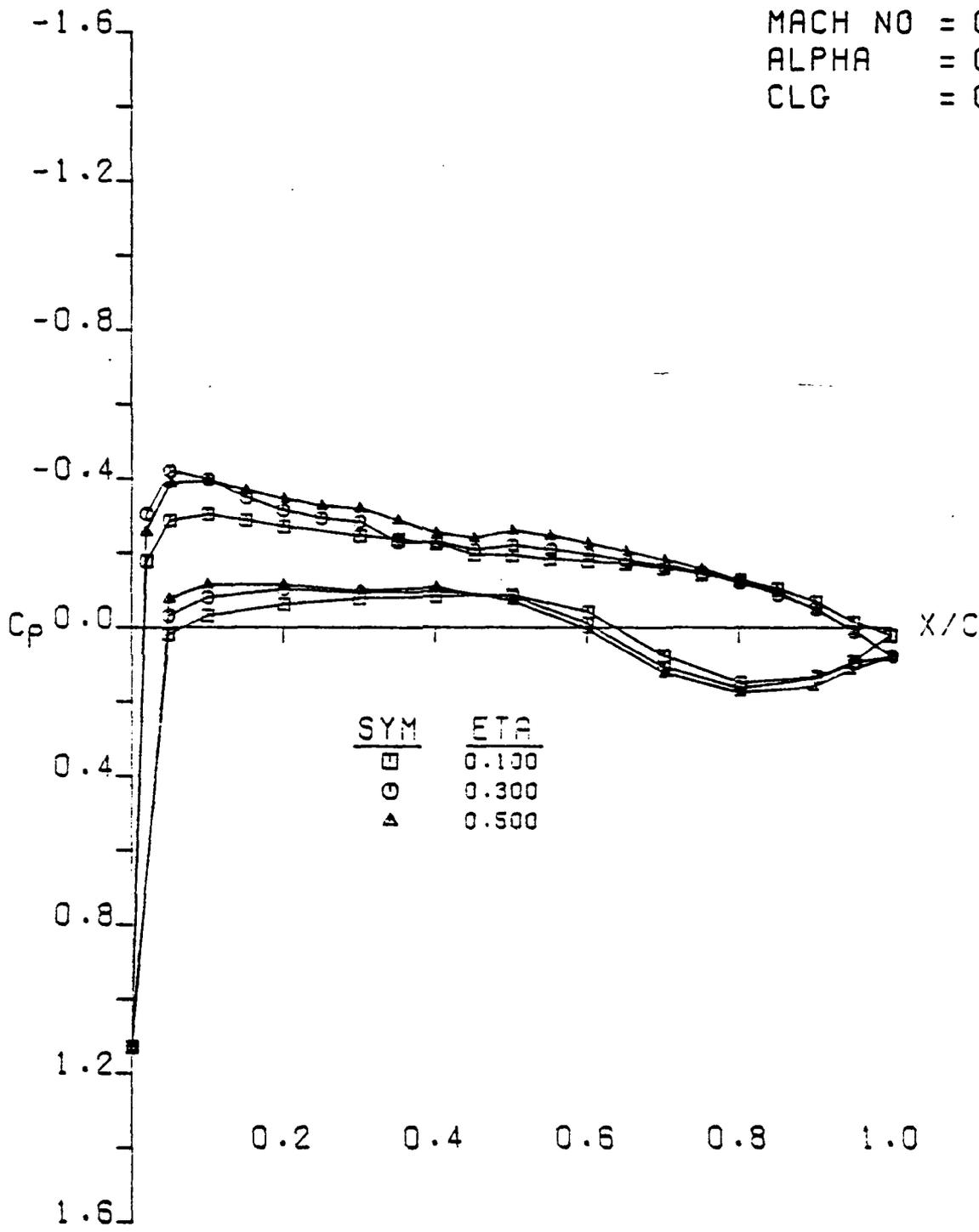


LOCKHEED CFWT SEMI-SPAN TEST, RUN 29
CLN VS LOW (LWR SURF ETA.95)
AFOSR SEMISPAN MODEL B

YM	ETA
□	0.100
○	0.300
△	0.500
+	0.700
X	0.900

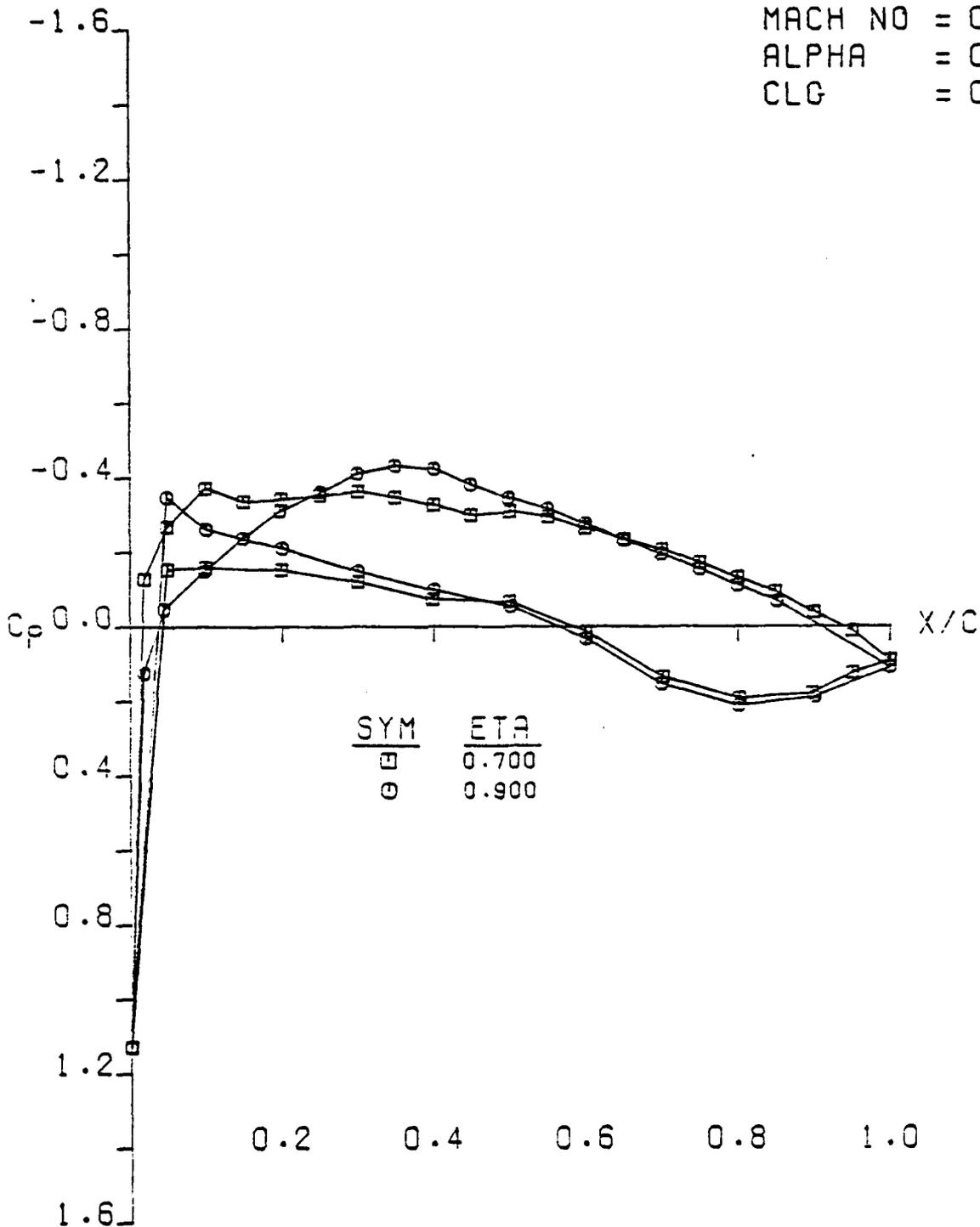


LOCKHEED CFWT SEMI-SPAN TEST, RUN 12
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C



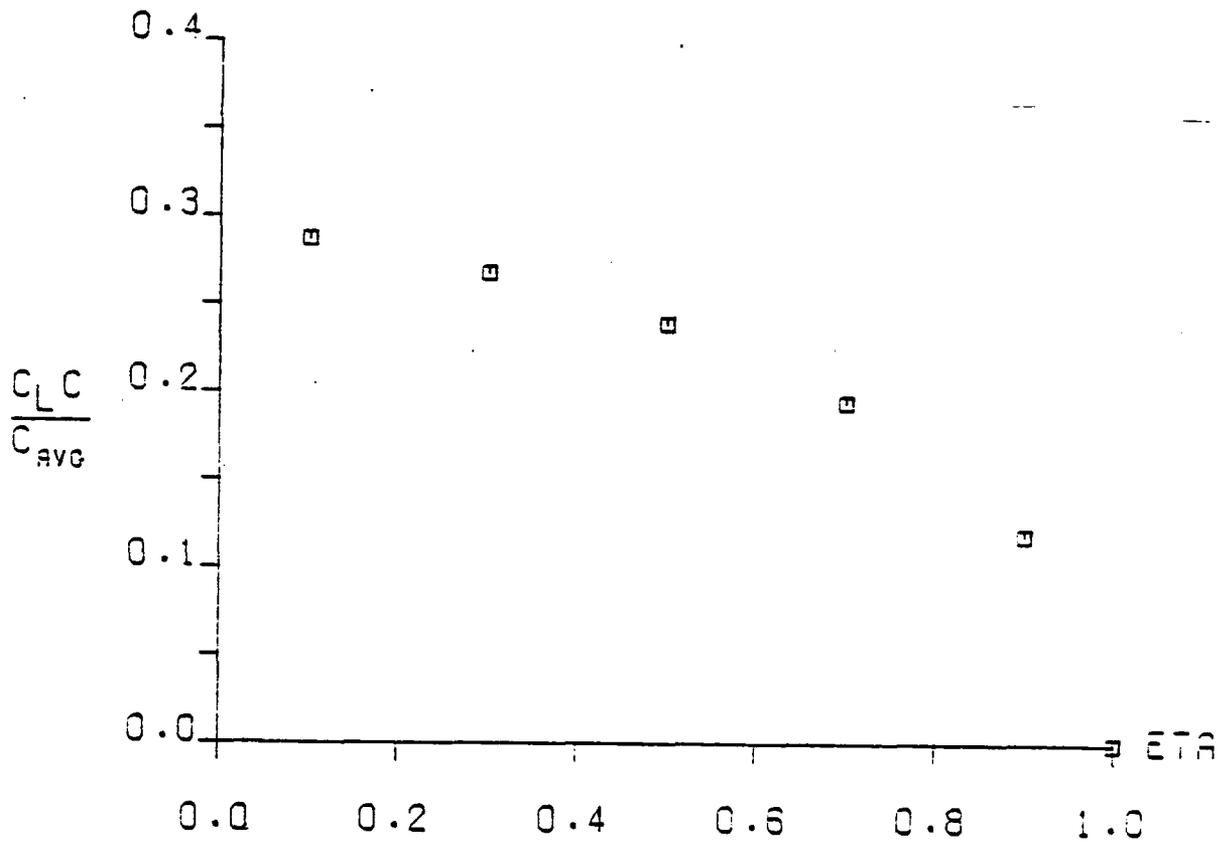
LOCKHEED CFWT SEMI-SPAN TEST, RUN 12
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.702
 ALPHA = 0.970
 CLG = 0.215



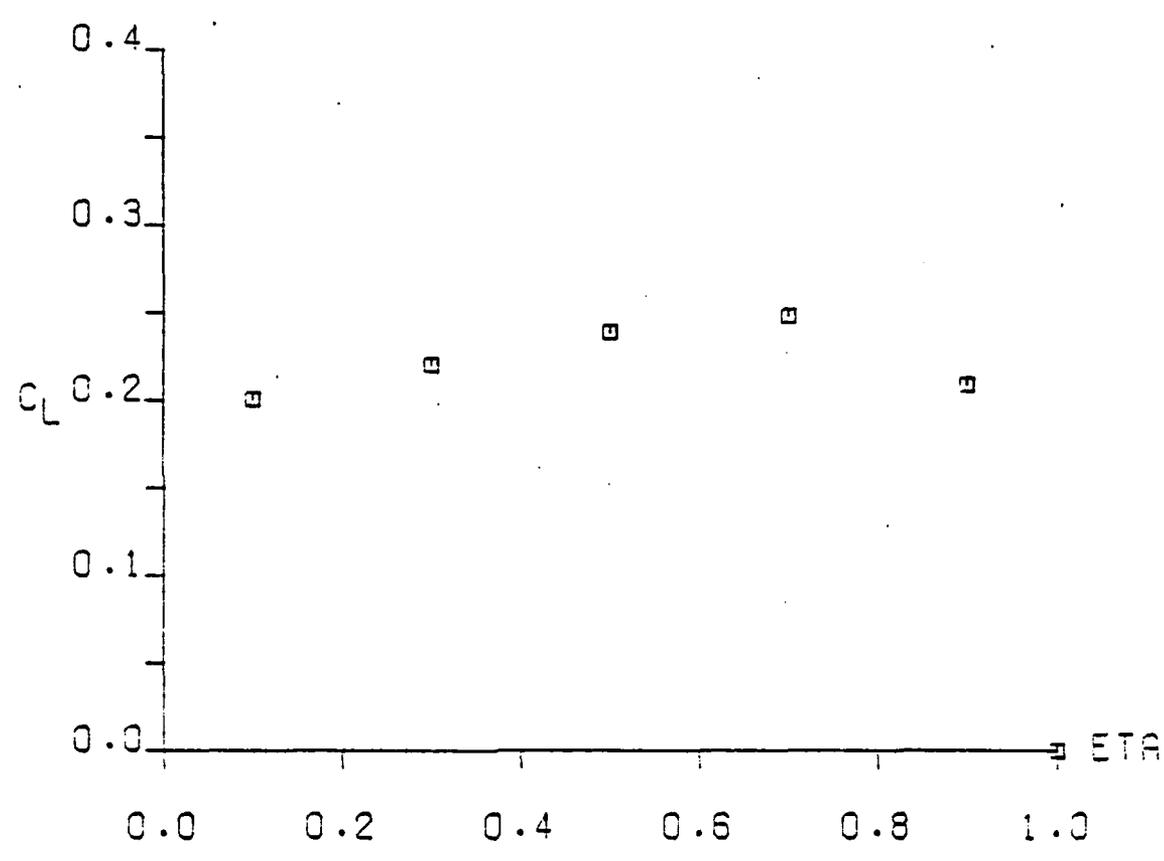
LOCKHEED CFWT SEMI-SPAN TEST, RUN 12
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.702
ALPHA = 0.970
CLG = 0.215



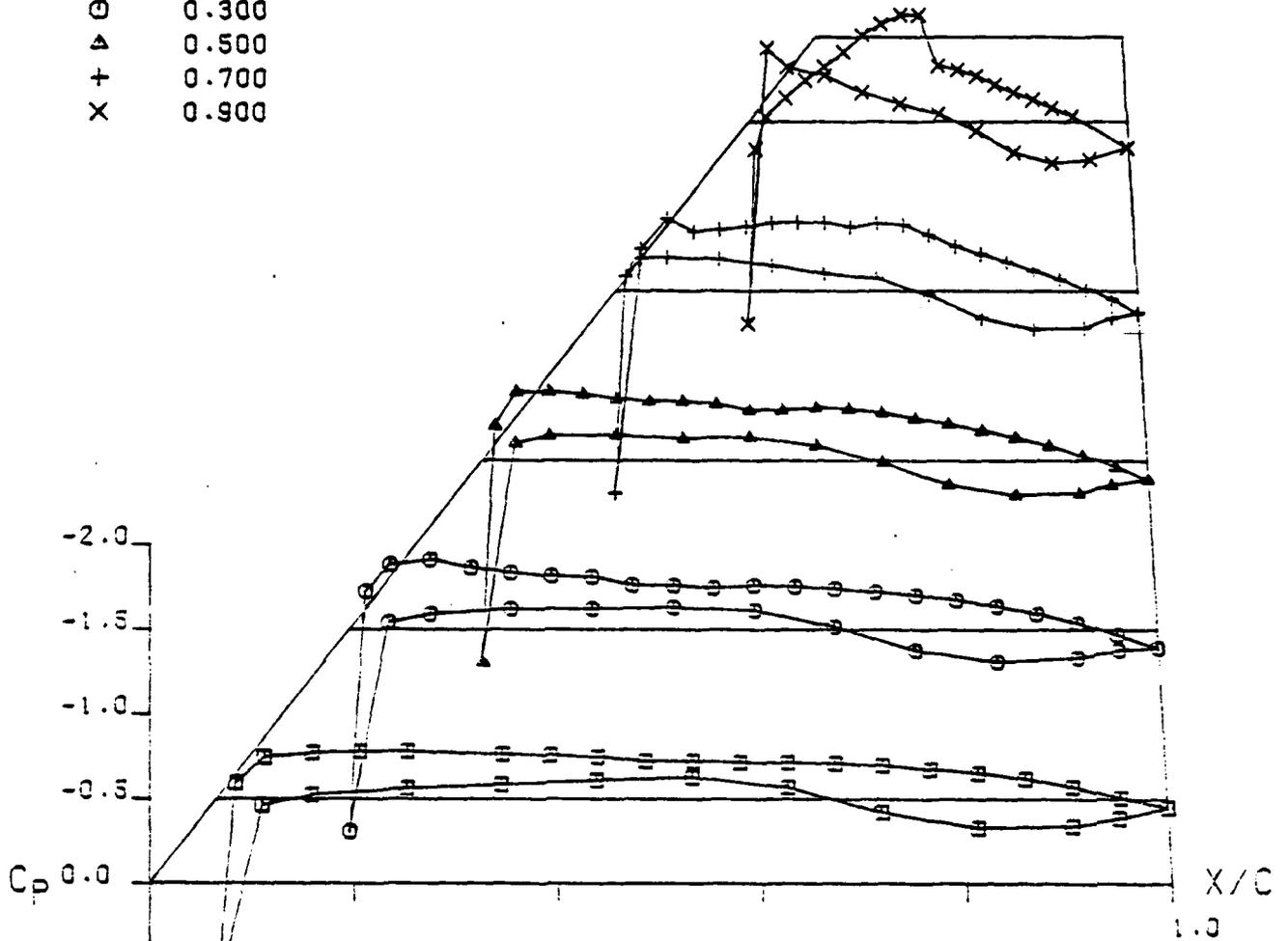
LOCKHEED CFWT SEMI-SPAN TEST, RUN 12
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.702
ALPHA = 0.970
CLG = 0.215



LOCKHEED CFWT SEMI-SPAN TEST, RUN 12
BASIC DATA
NUMERICALLY OPTIMIZED WING C

<u>SYM</u>	<u>ETA</u>
□	0.100
○	0.300
△	0.500
+	0.700
x	0.900

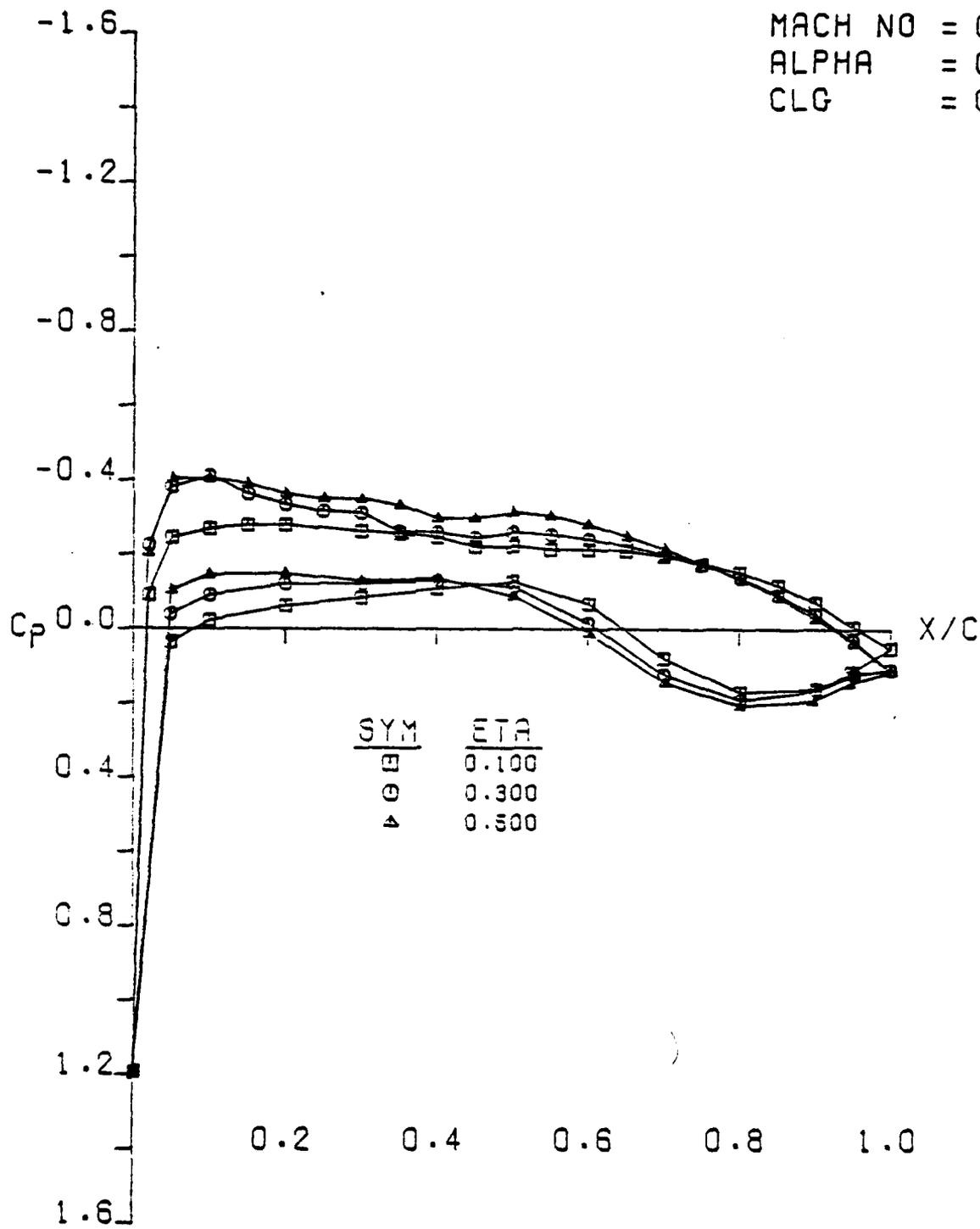


CONDITIONS

MACH NO = 0.849
 ALPHA = 0.965
 CL = 0.223
 CD = 0.016
 CM = -0.062
 CLG = 0.223

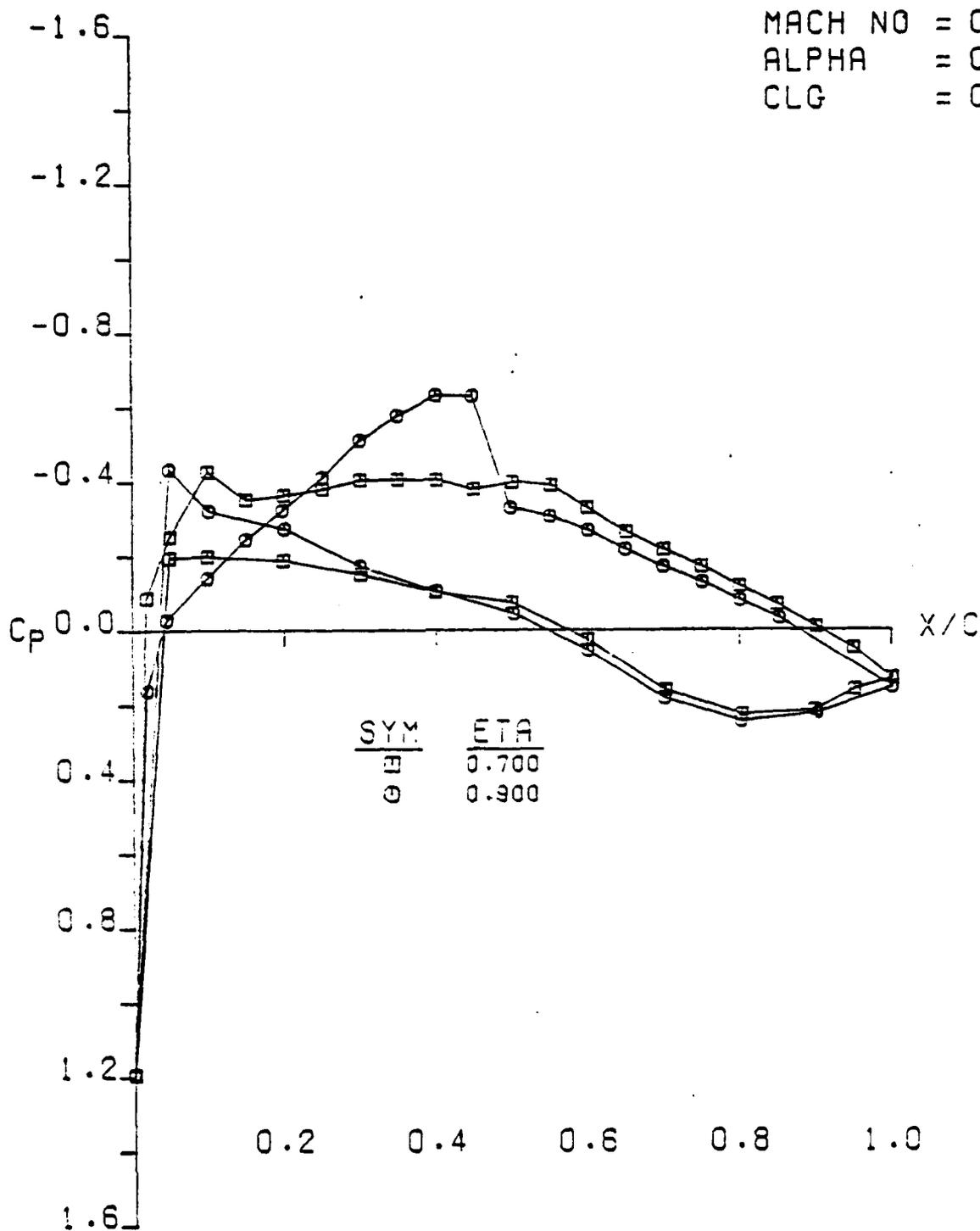
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.845
 ALPHA = 0.965
 CLG = 0.223

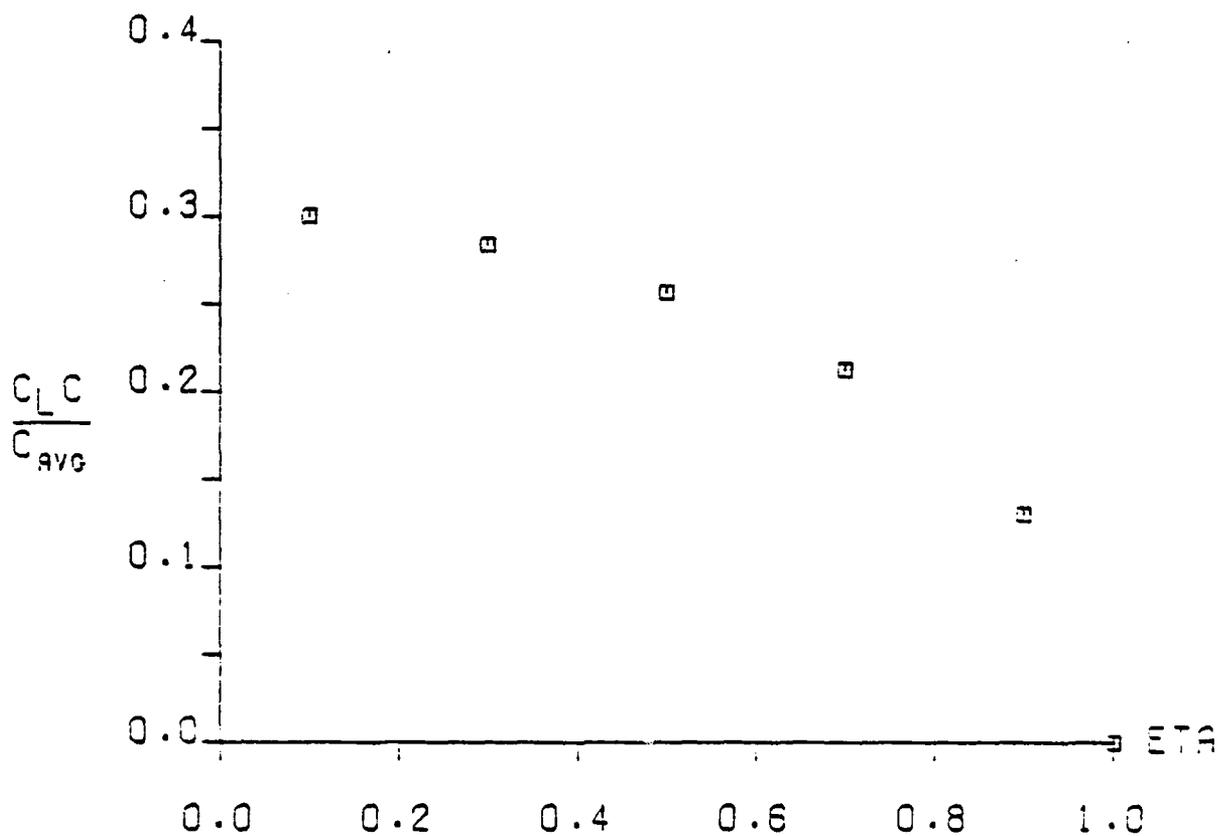


SYM	ETA
□	0.100
○	0.300
△	0.500

LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

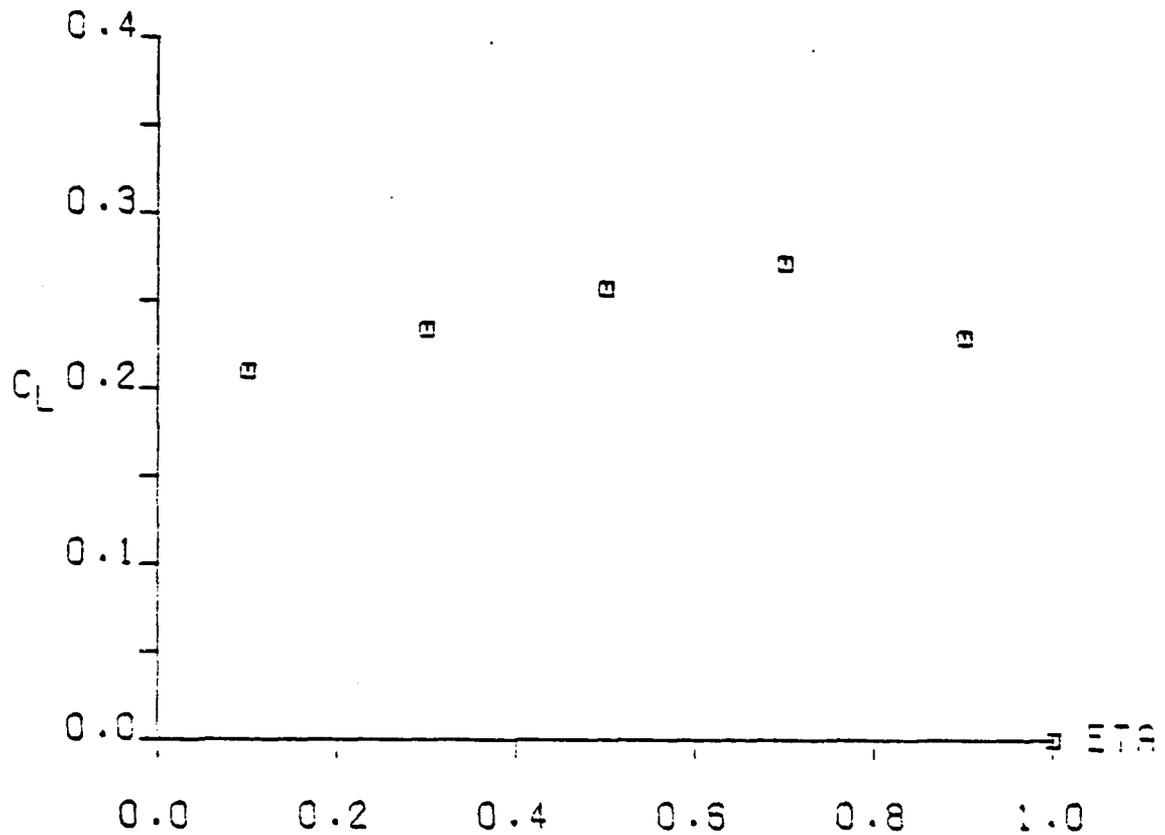


MACH NO = 0.849
ALPHA = 0.965
CLG = 0.223



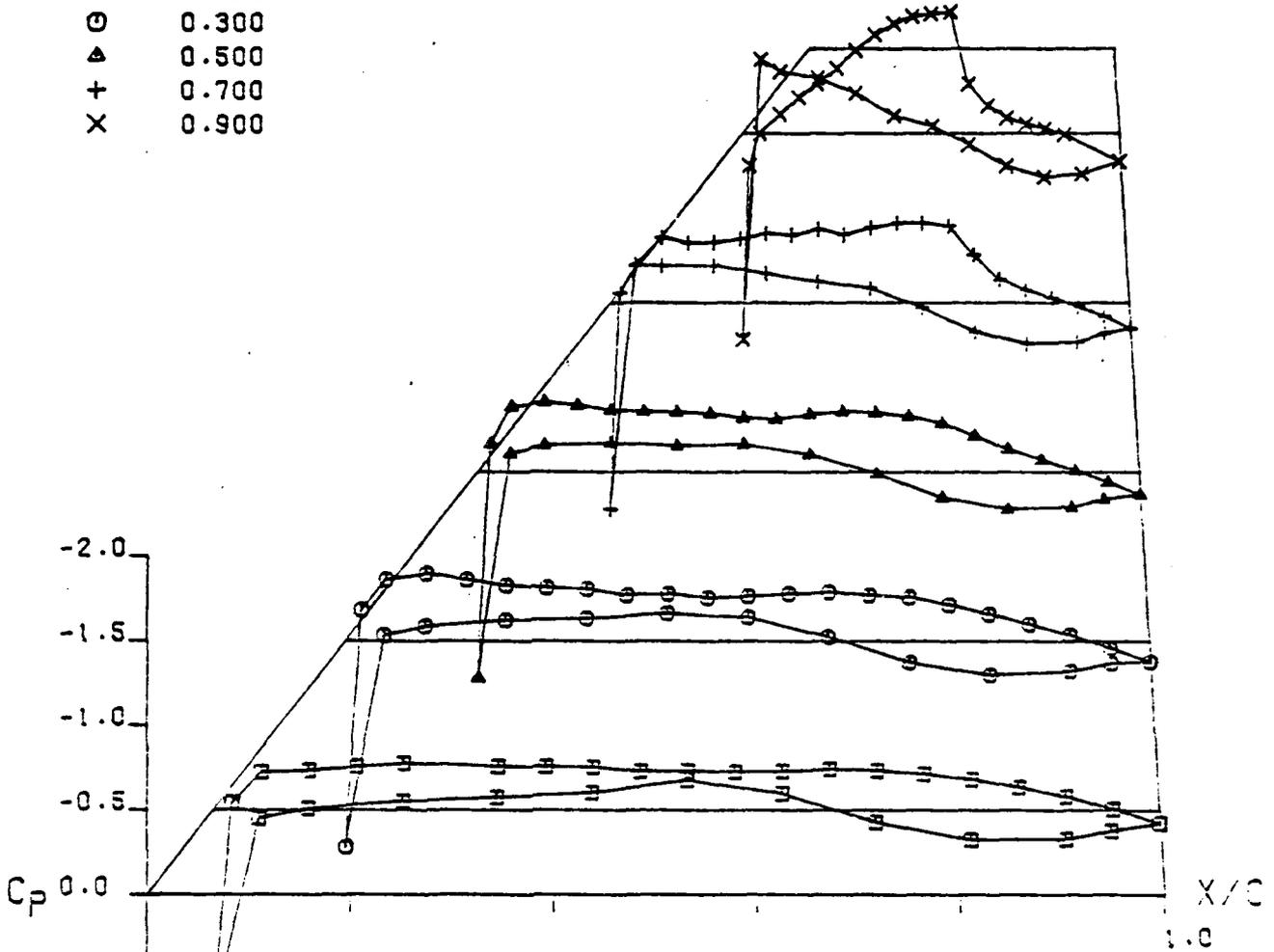
LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.845
ALPHA = 0.965
CLG = 0.223



LOCKHEED CFWT SEMI-SPAN TEST, RUN 38
BASIC DATA
NUMERICALLY OPTIMIZED WING C

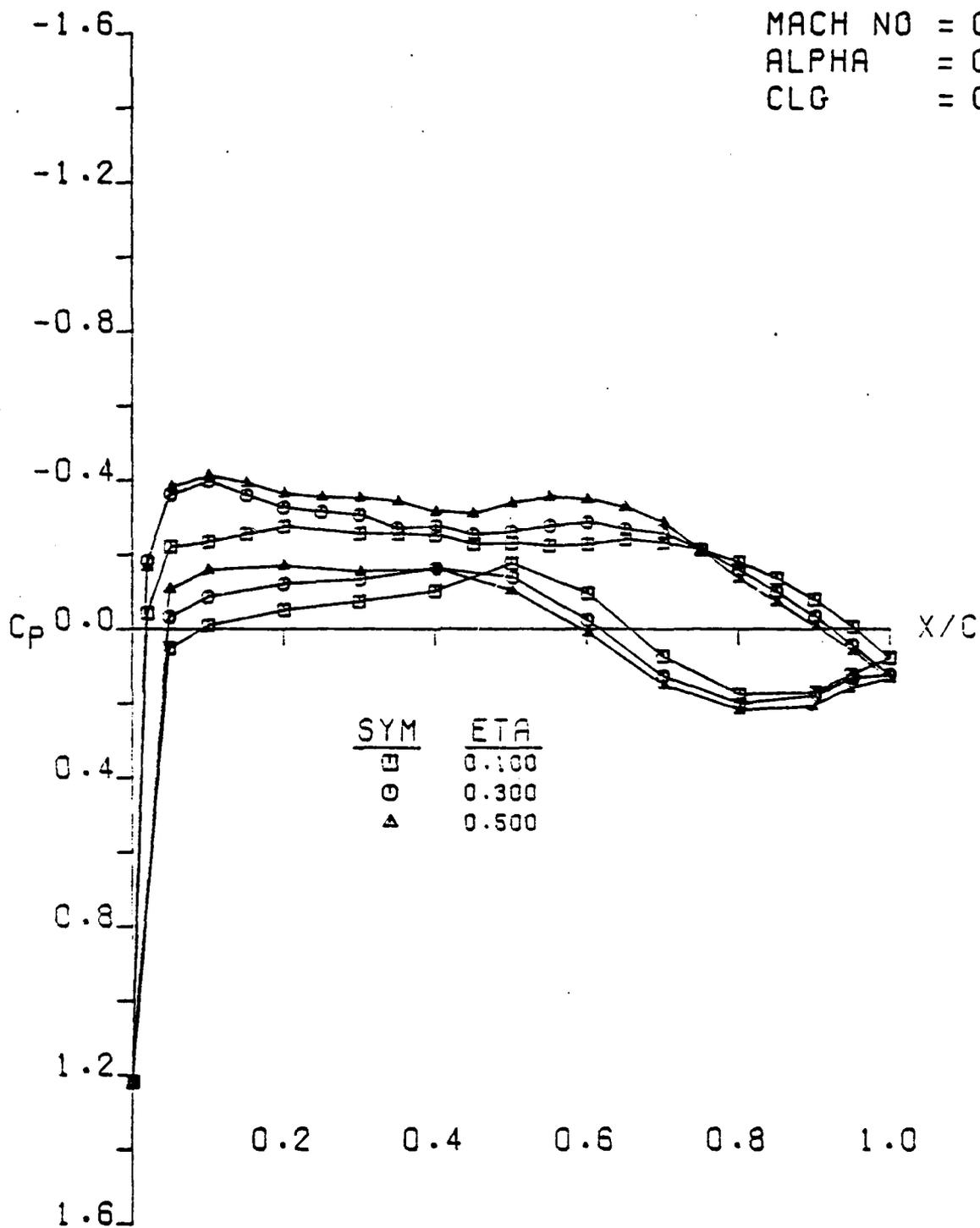
<u>SYM</u>	<u>ETA</u>
□	0.100
○	0.300
△	0.500
+	0.700
x	0.900



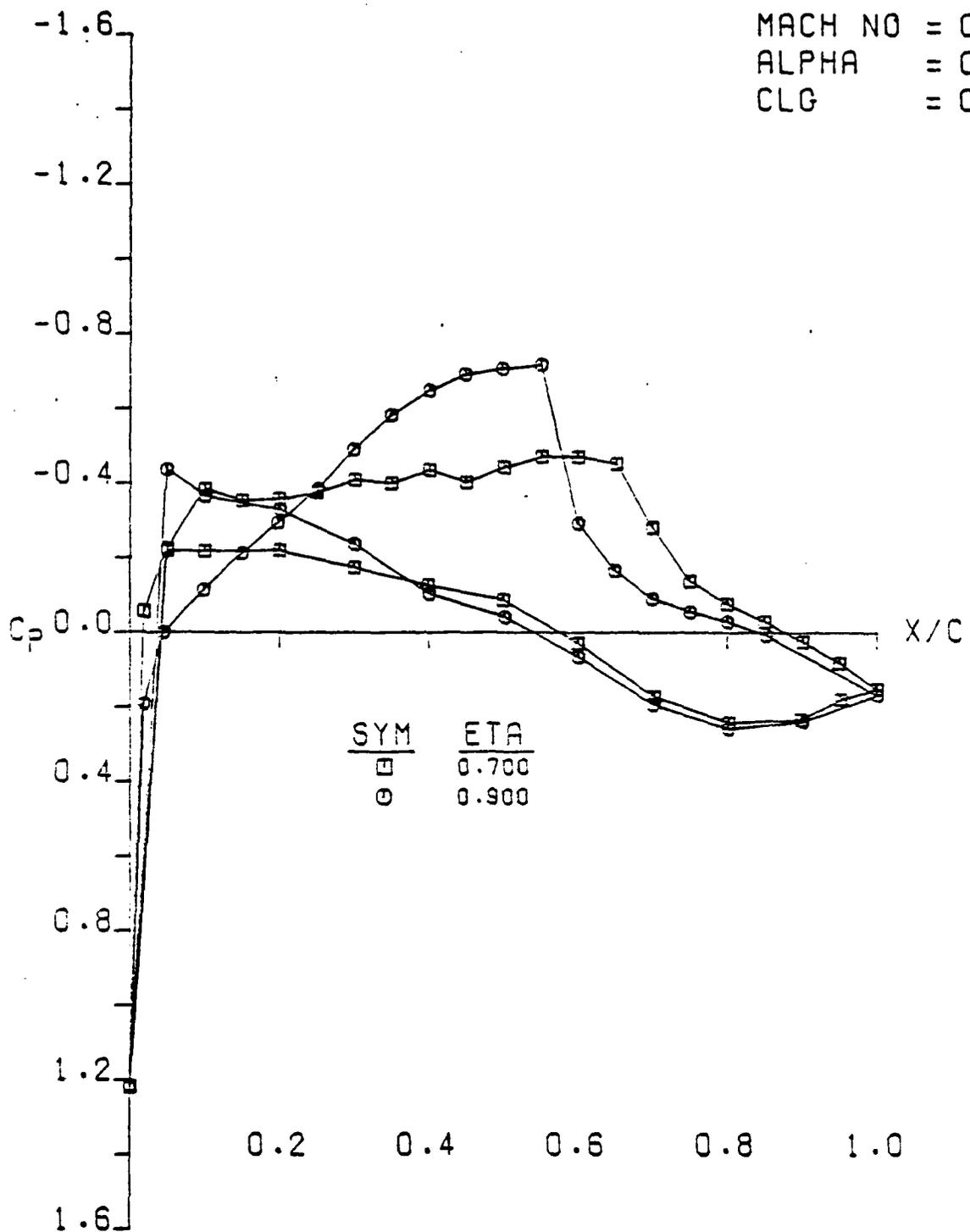
CONDITIONS

MACH NO =	0.900
ALPHA =	0.962
CL =	0.231
CD =	0.019
CM =	-0.069
CLG =	0.231

LOCKHEED CFWT SEMI-SPAN TEST, RUN 49
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

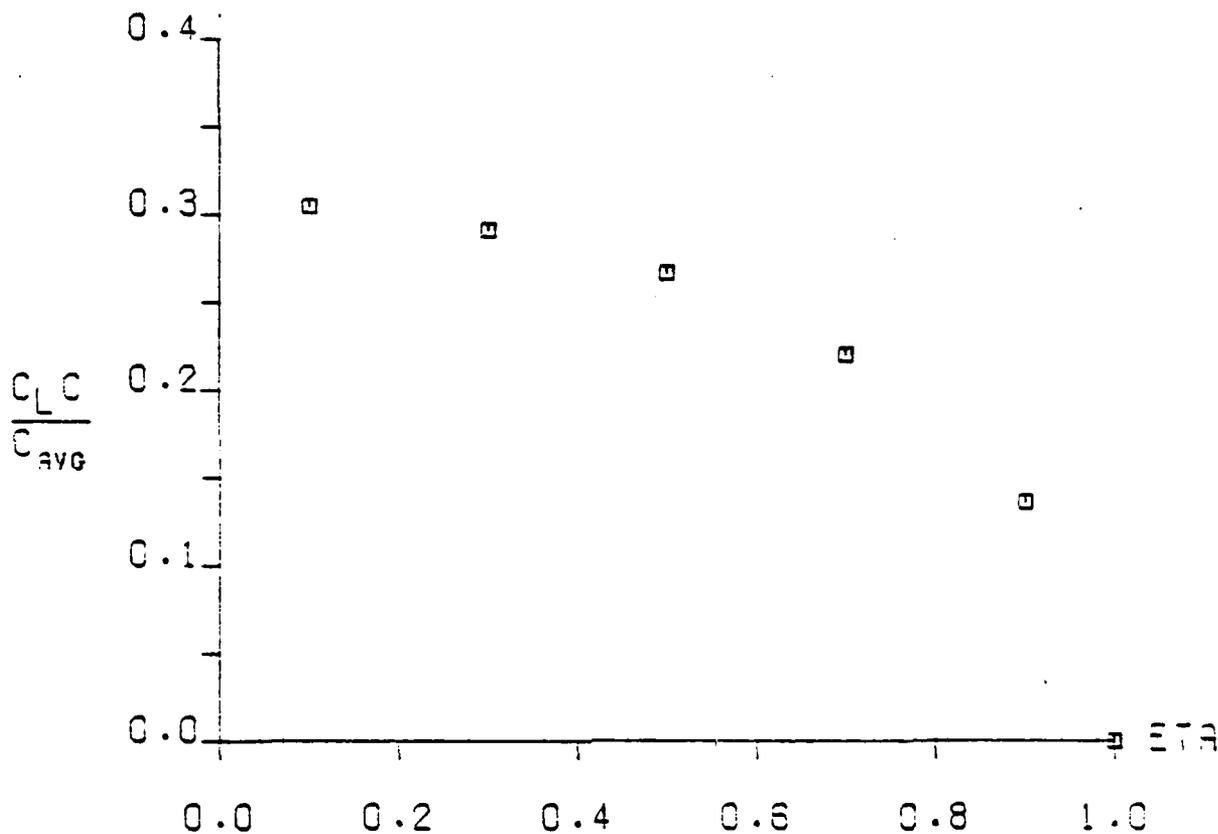


LOCKHEED CFWT SEMI-SPAN TEST, RUN 49
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C



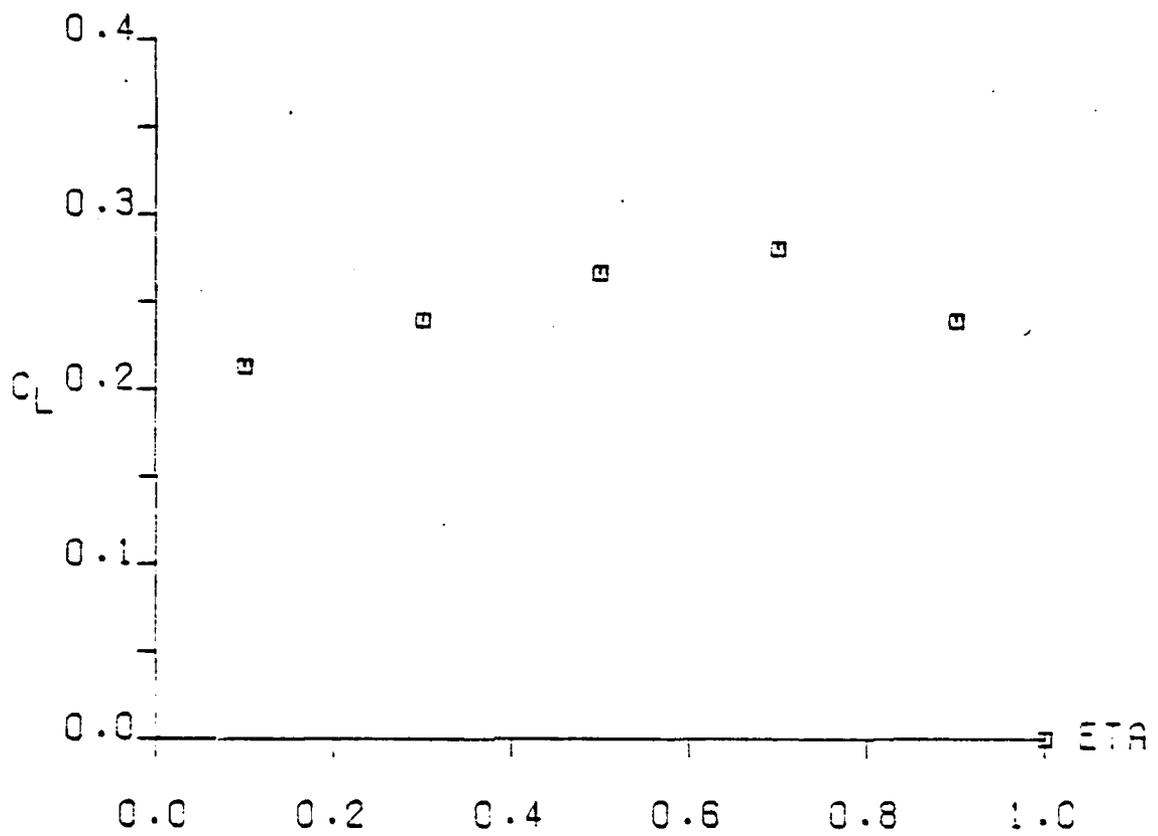
LOCKHEED CFWT SEMI-SPAN TEST, RUN 49
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.900
ALPHA = 0.962
CLG = 0.231



LOCKHEED CFWT SEMI-SPAN TEST, RUN 49
BASIC DATA
NUMERICALLY OPTIMIZED WING C

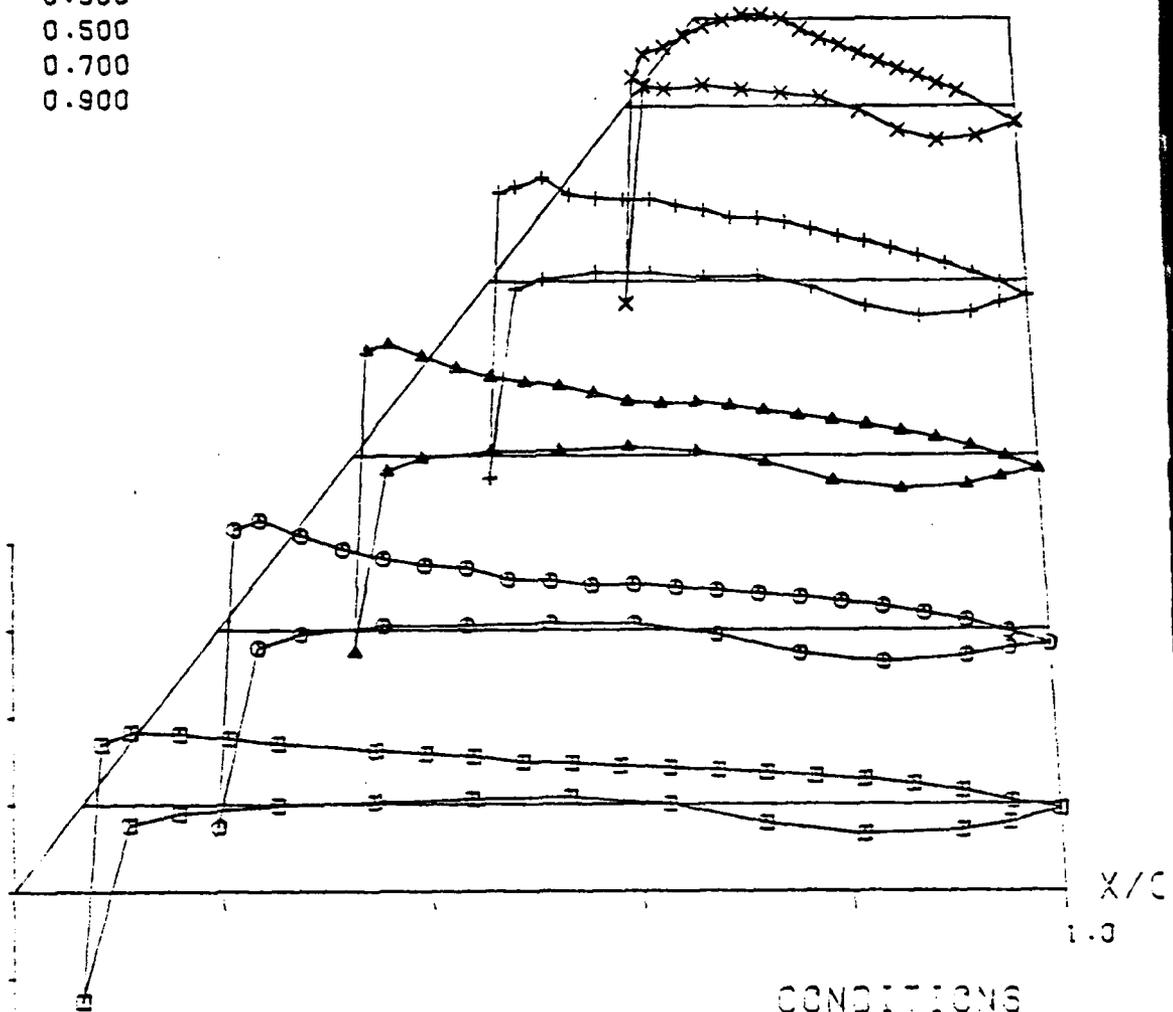
MACH NO = 0.900
ALPHA = 0.962
CLG = 0.231



LOCKHEED CFWT SEMI-SPAN TEST, RUN 49
BASIC DATA
NUMERICALLY OPTIMIZED WING C

ETA

0.100
0.300
0.500
0.700
0.900

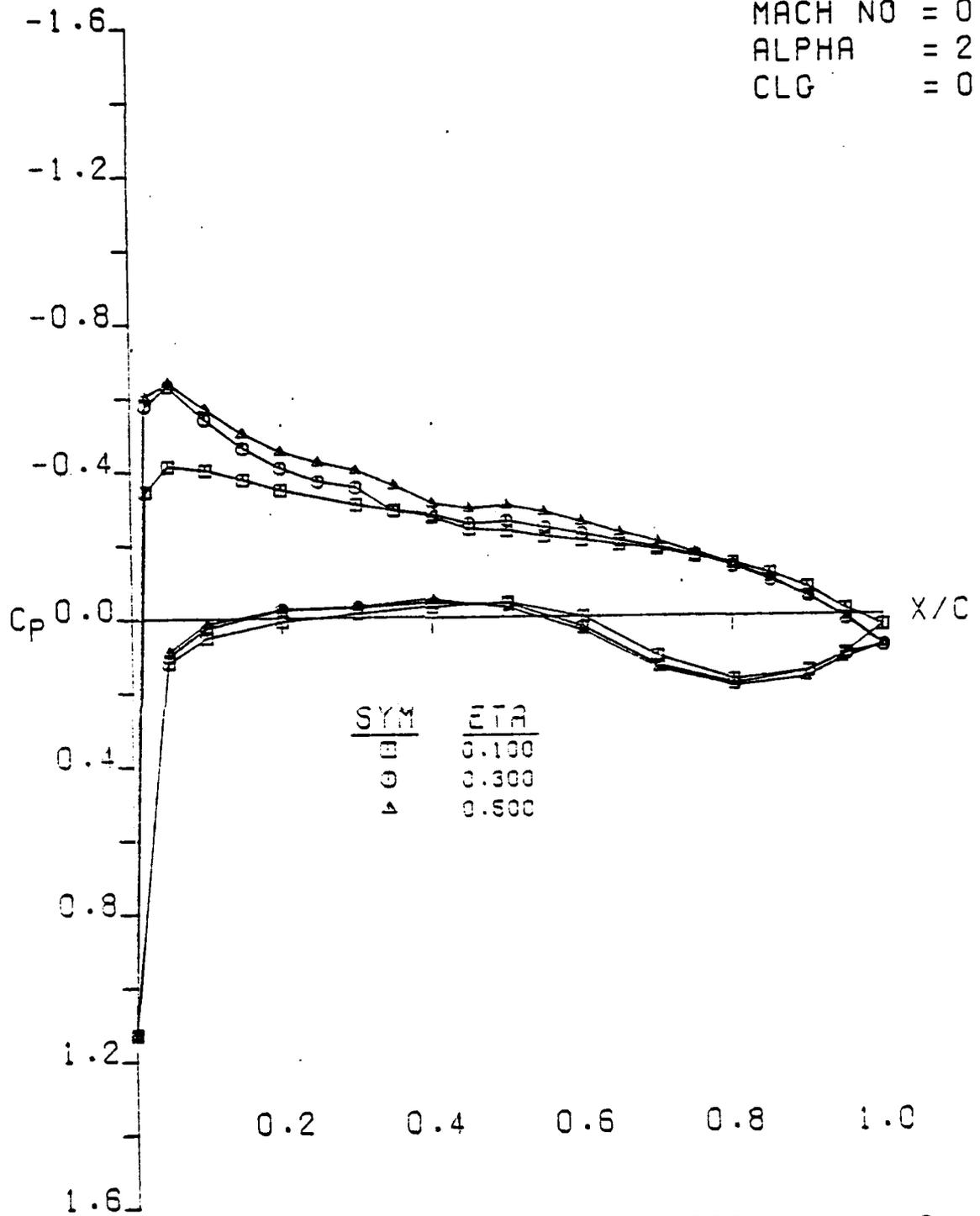


CONDITIONS

MACH NO = 0.702
ALPHA = 2.945
CL = 0.329
CD = 0.024
CM = -0.059
CLG = 0.329

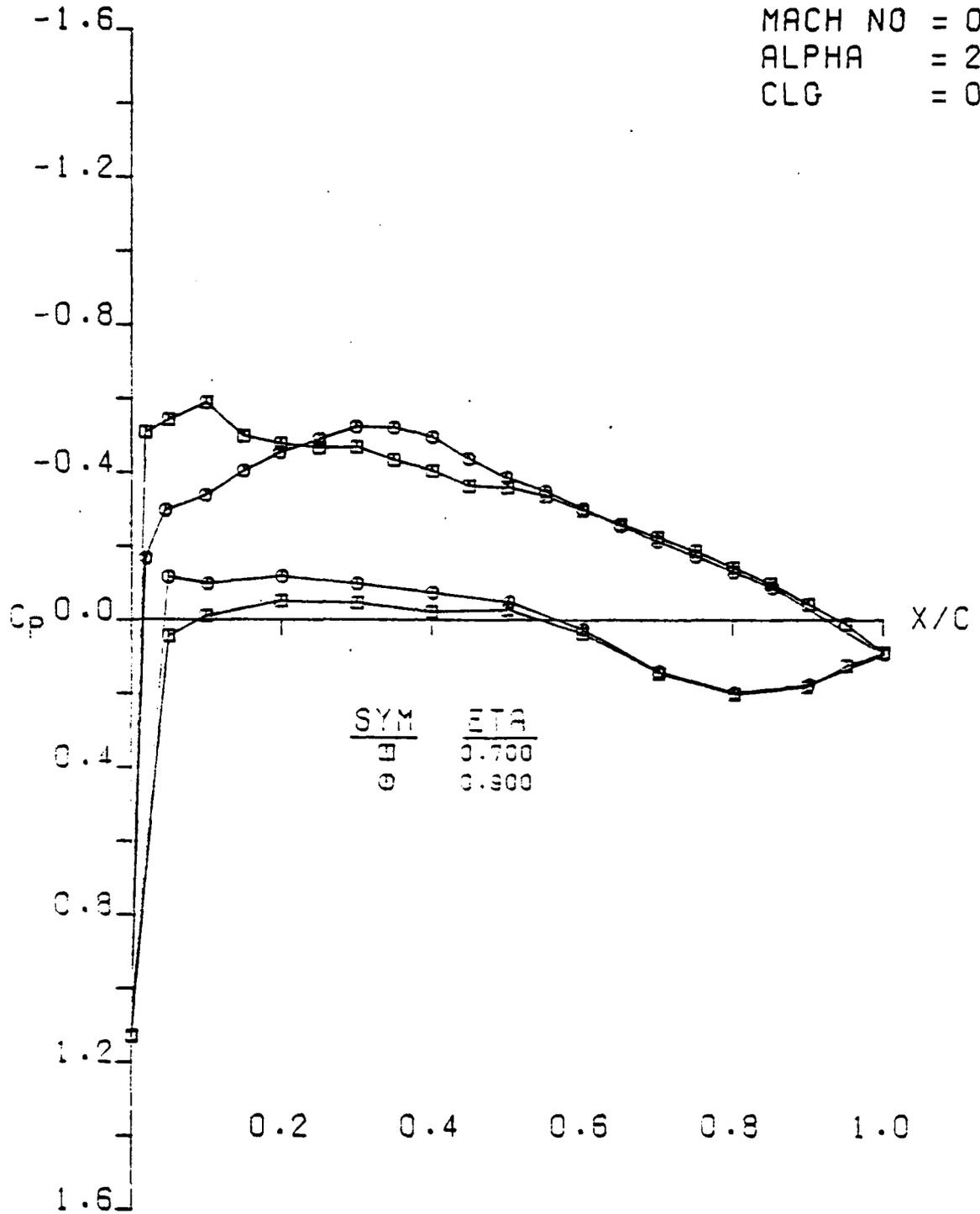
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.702
 ALPHA = 2.945
 CLG = 0.329



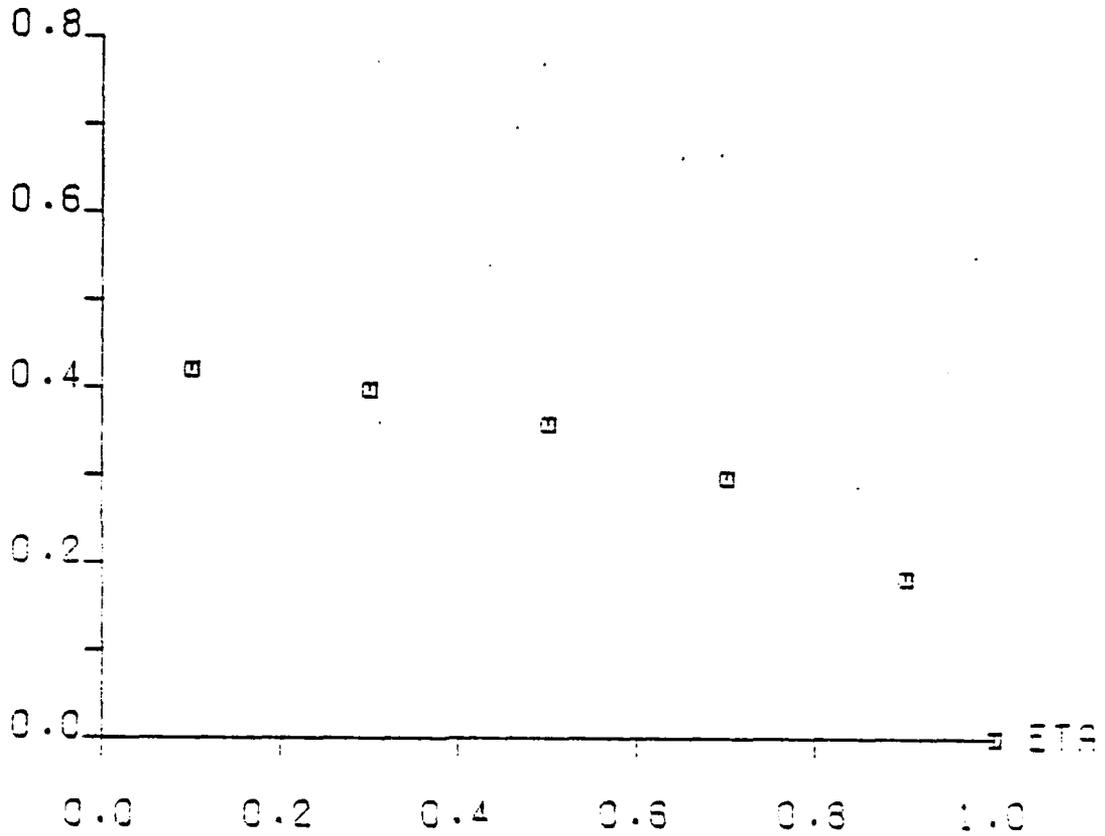
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.702
 ALPHA = 2.945
 CLG = 0.329



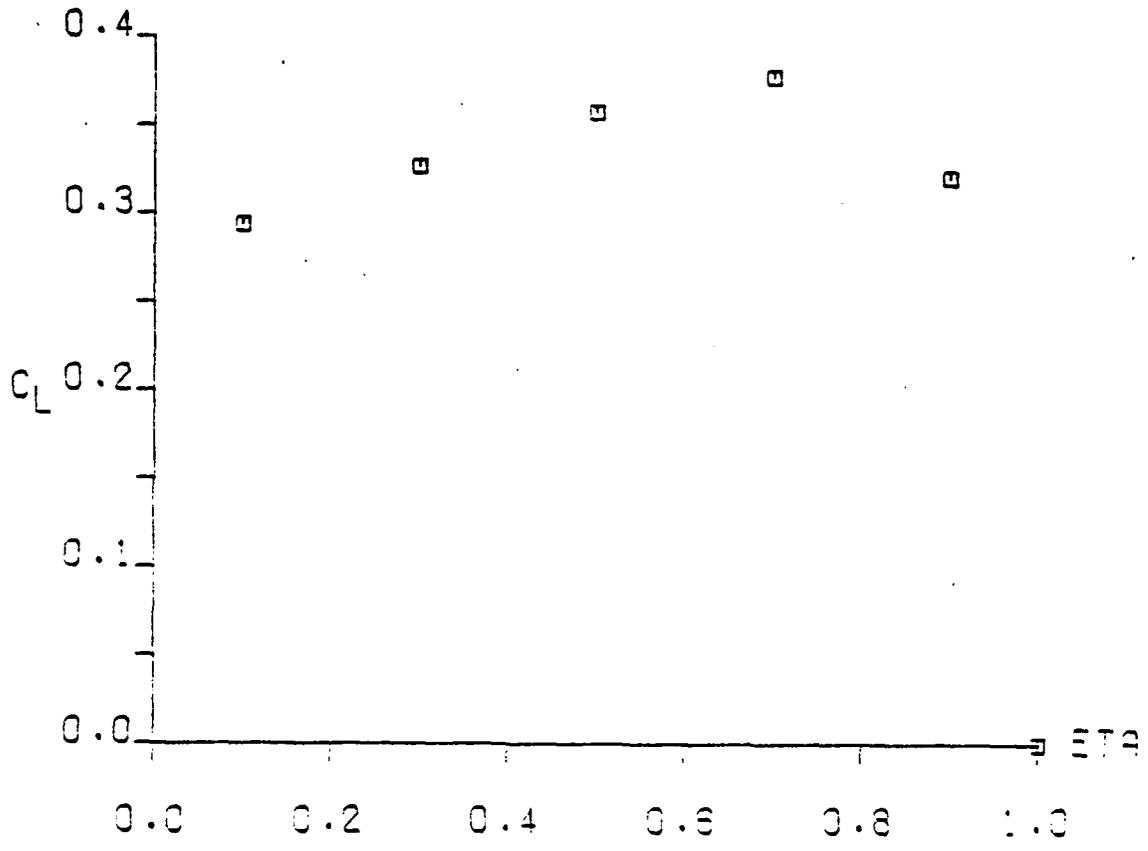
LOCKHEED CPWT SEMI-SPAN TEST, RUN 16
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.702
ALPHA = 2.945
CLG = 0.329



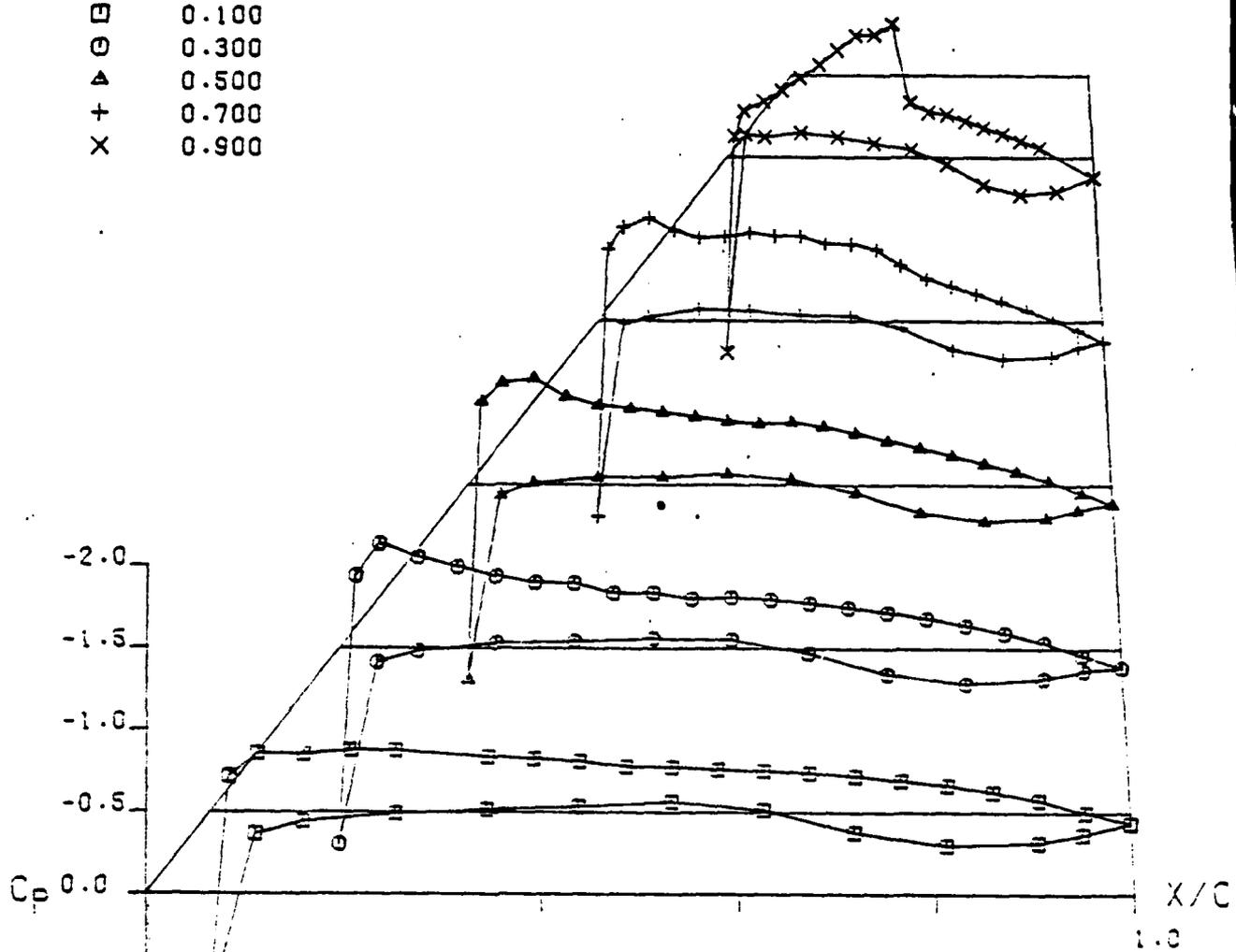
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.702
ALPHA = 2.945
CLG = 0.329



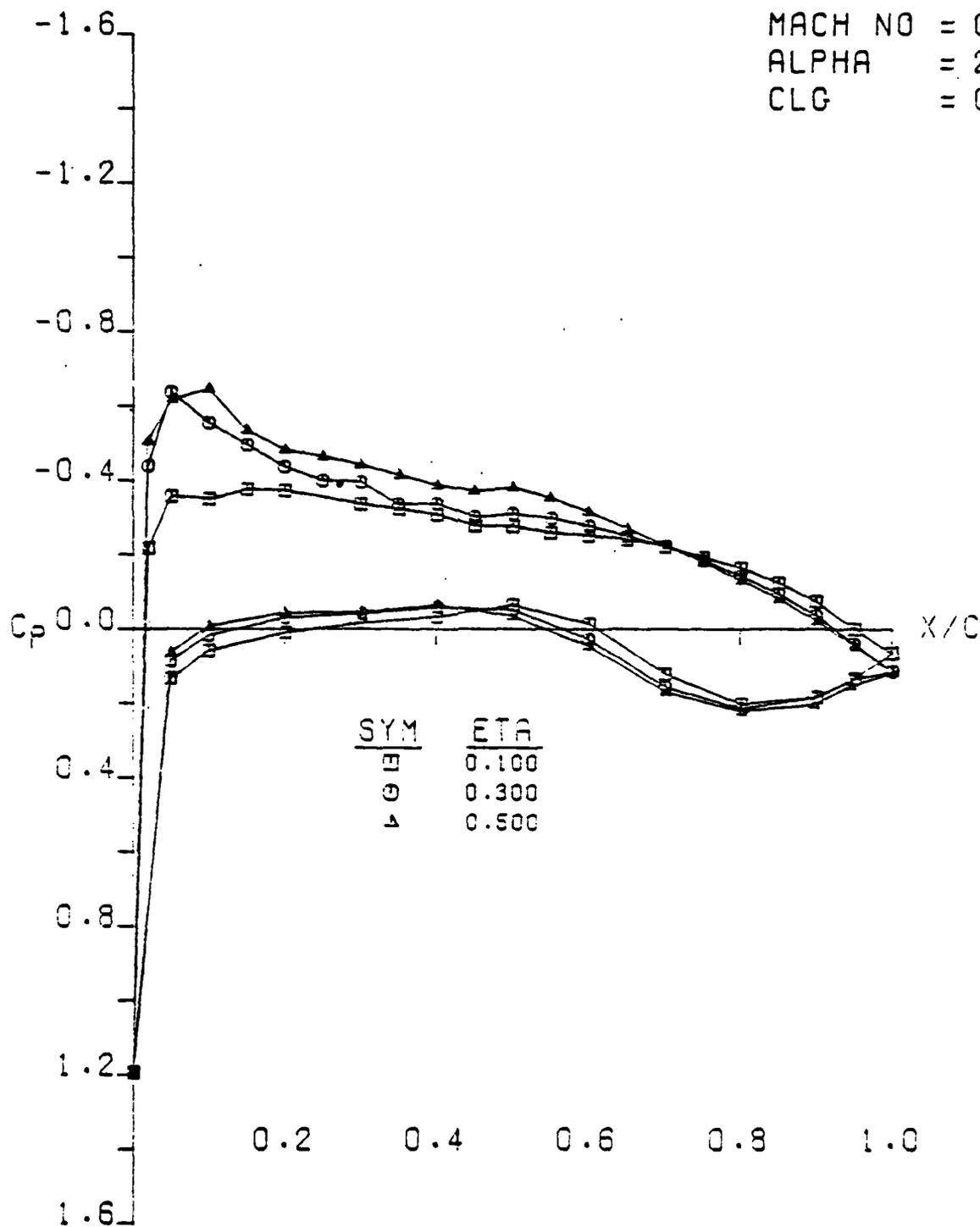
LOCKHEED CFWT SEMI-SPAN TEST, RUN 16
BASIC DATA
NUMERICALLY OPTIMIZED WING C

<u>SYM</u>	<u>ETA</u>
□	0.100
○	0.300
△	0.500
+	0.700
X	0.900



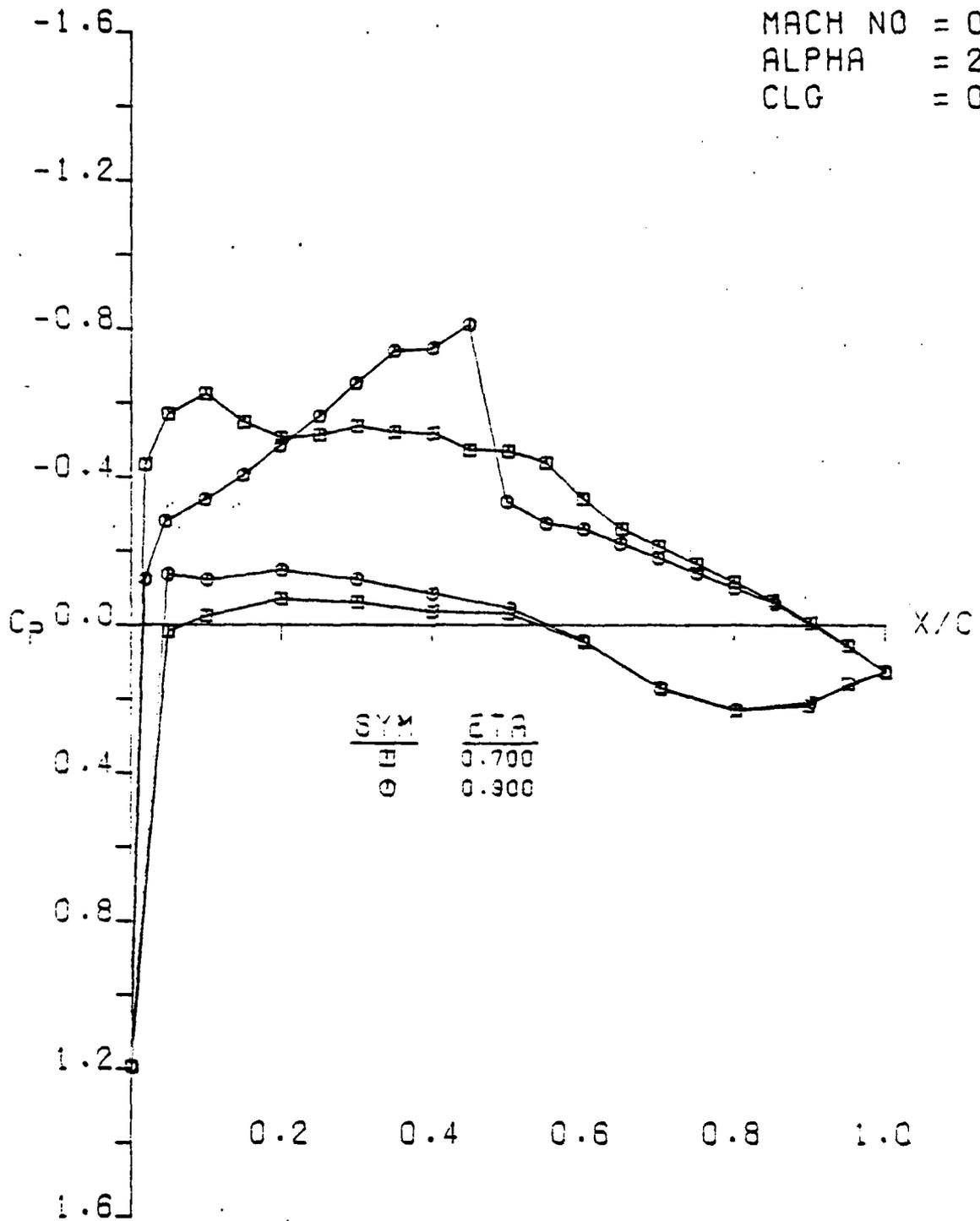
<u>CONDITIONS</u>	
MACH NO	= 0.950
ALPHA	= 2.948
CL	= 0.353
CD	= 0.027
CM	= -0.069
CLG	= 0.353

LOCKHEED CFWT SEMI-SPAN TEST, RUN 40
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C



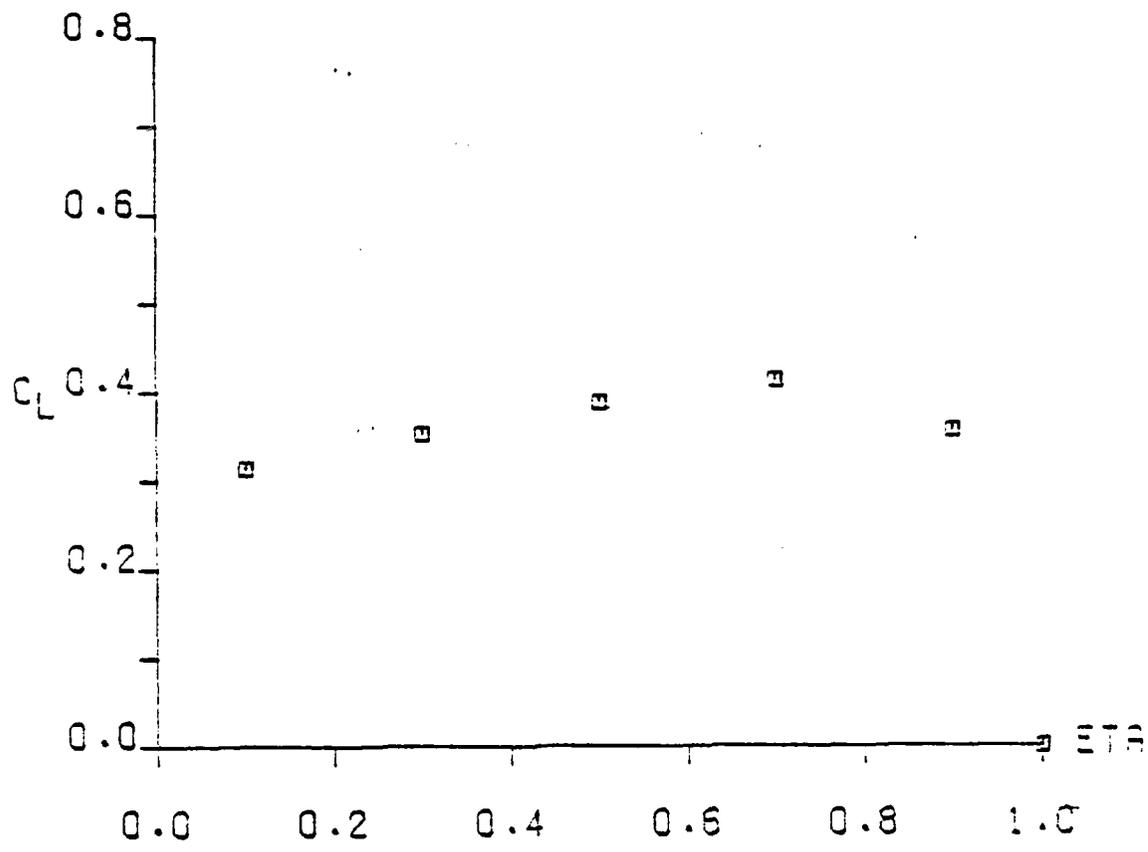
LOCKHEED CFWT SEMI-SPAN TEST, RUN 40
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.850
 ALPHA = 2.948
 CLG = 0.353



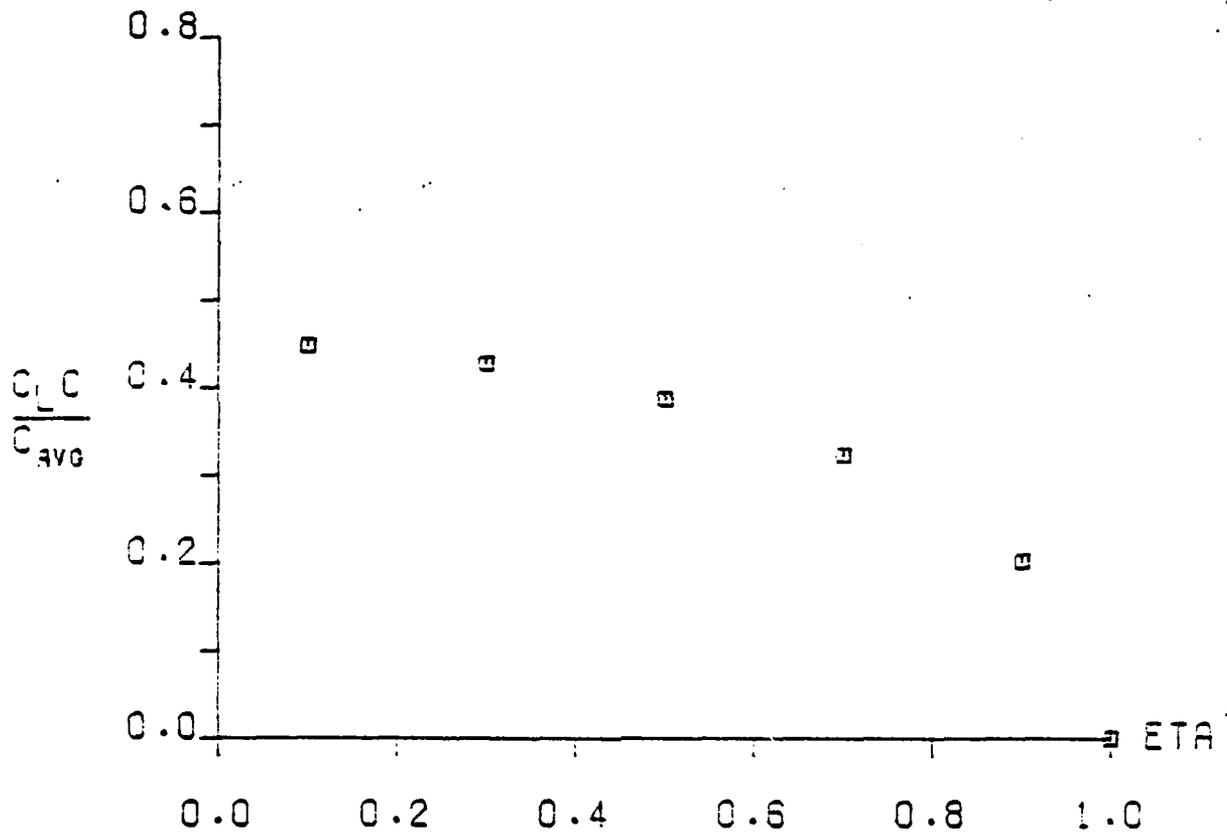
LOCKHEED CFWT SEMI-SPAN TEST, RUN 40
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.850
ALPHA = 2.948
CLG = 0.353



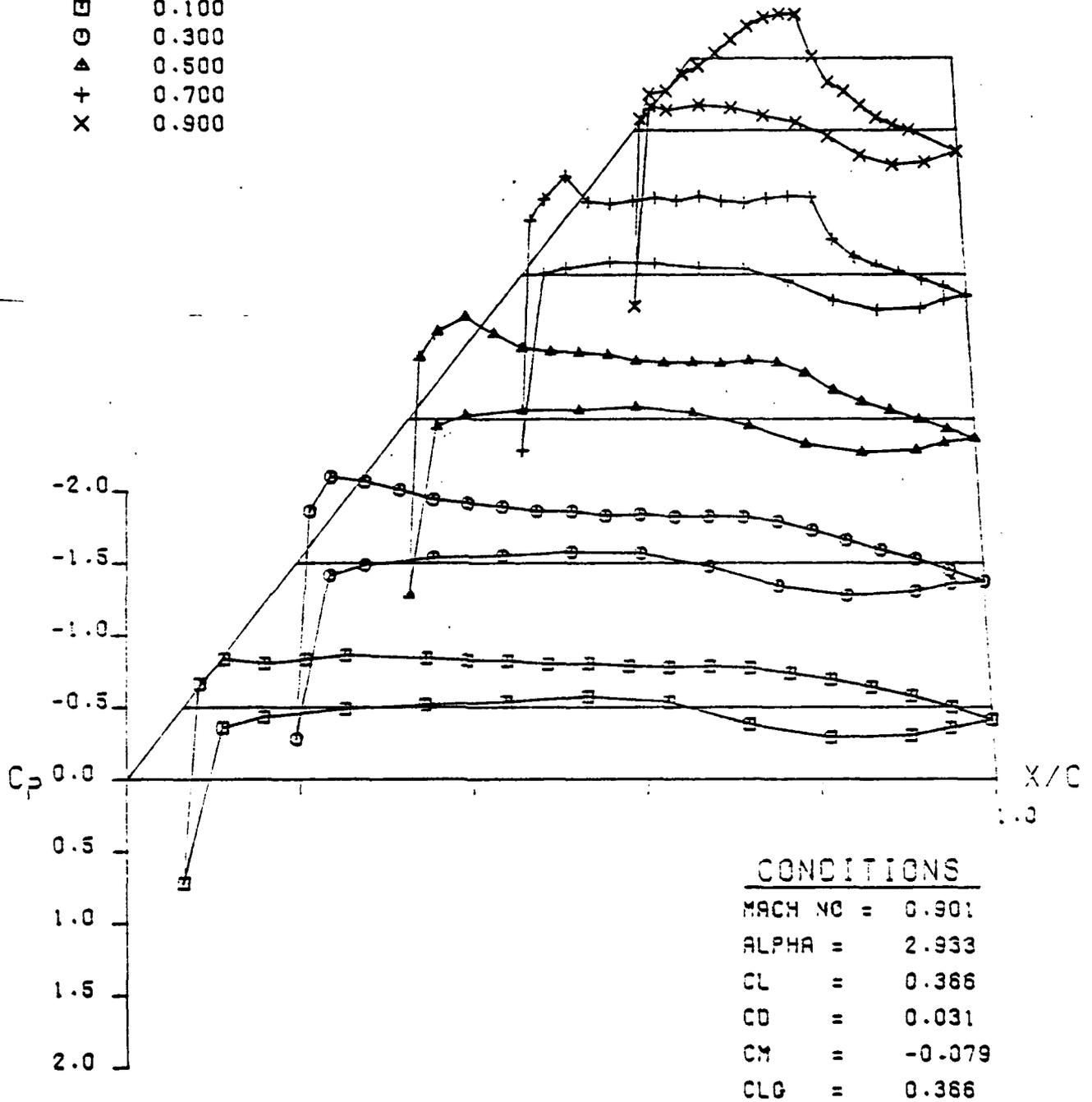
LOCKHEED CFWT SEMI-SPAN TEST, RUN 40
BASIC DATA
NUMERICALLY OPTIMIZED WING C
523

MACH NO = 0.850
ALPHA = 2.948
CLG = 0.353



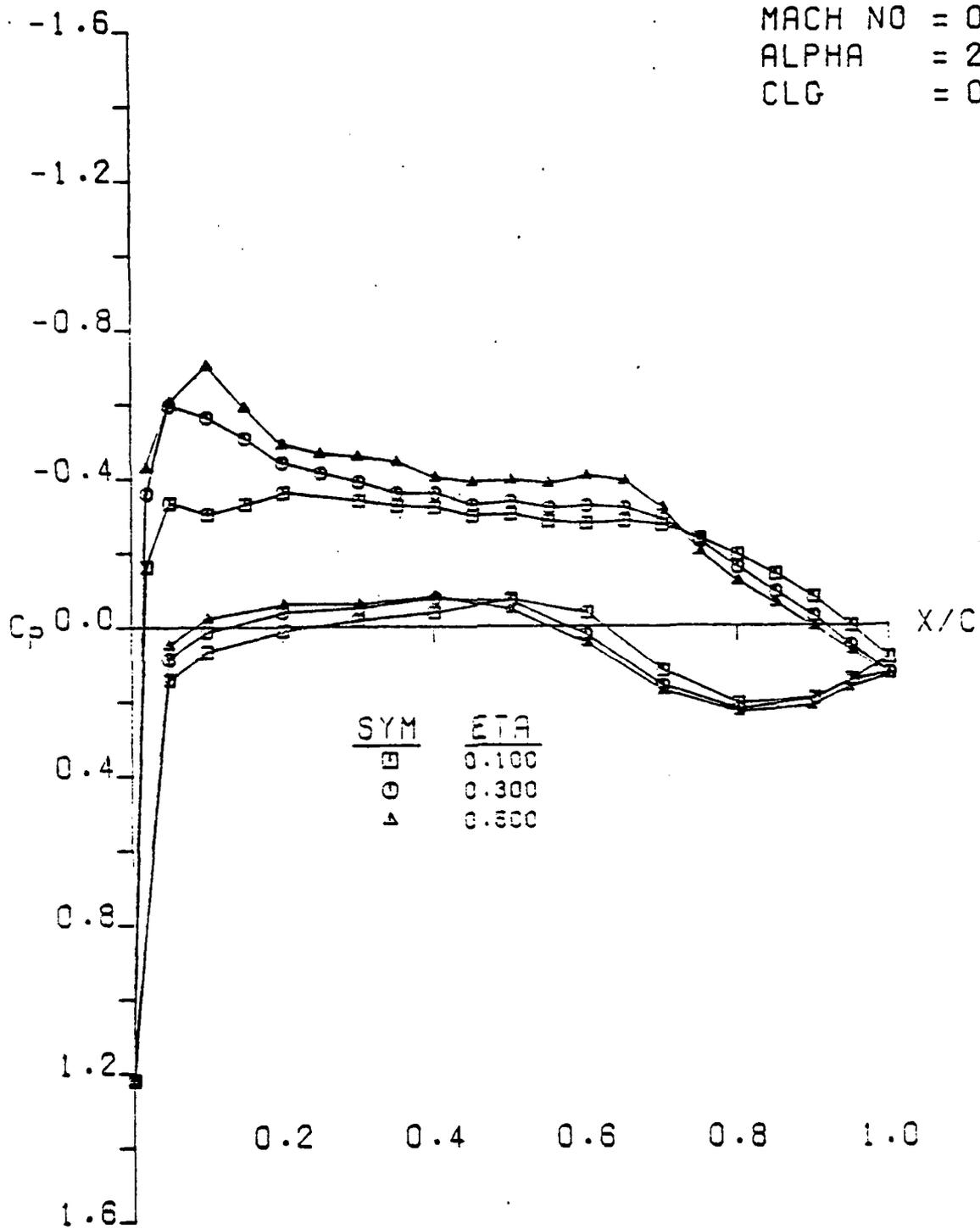
LOCKHEED CFWT SEMI-SPAN TEST, RUN 40
BASIC DATA
NUMERICALLY OPTIMIZED WING C

<u>SYM</u>	<u>ETA</u>
□	0.100
○	0.300
▲	0.500
+	0.700
X	0.900



LOCKHEED CFWT SEMI-SPAN TEST, RUN 51
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

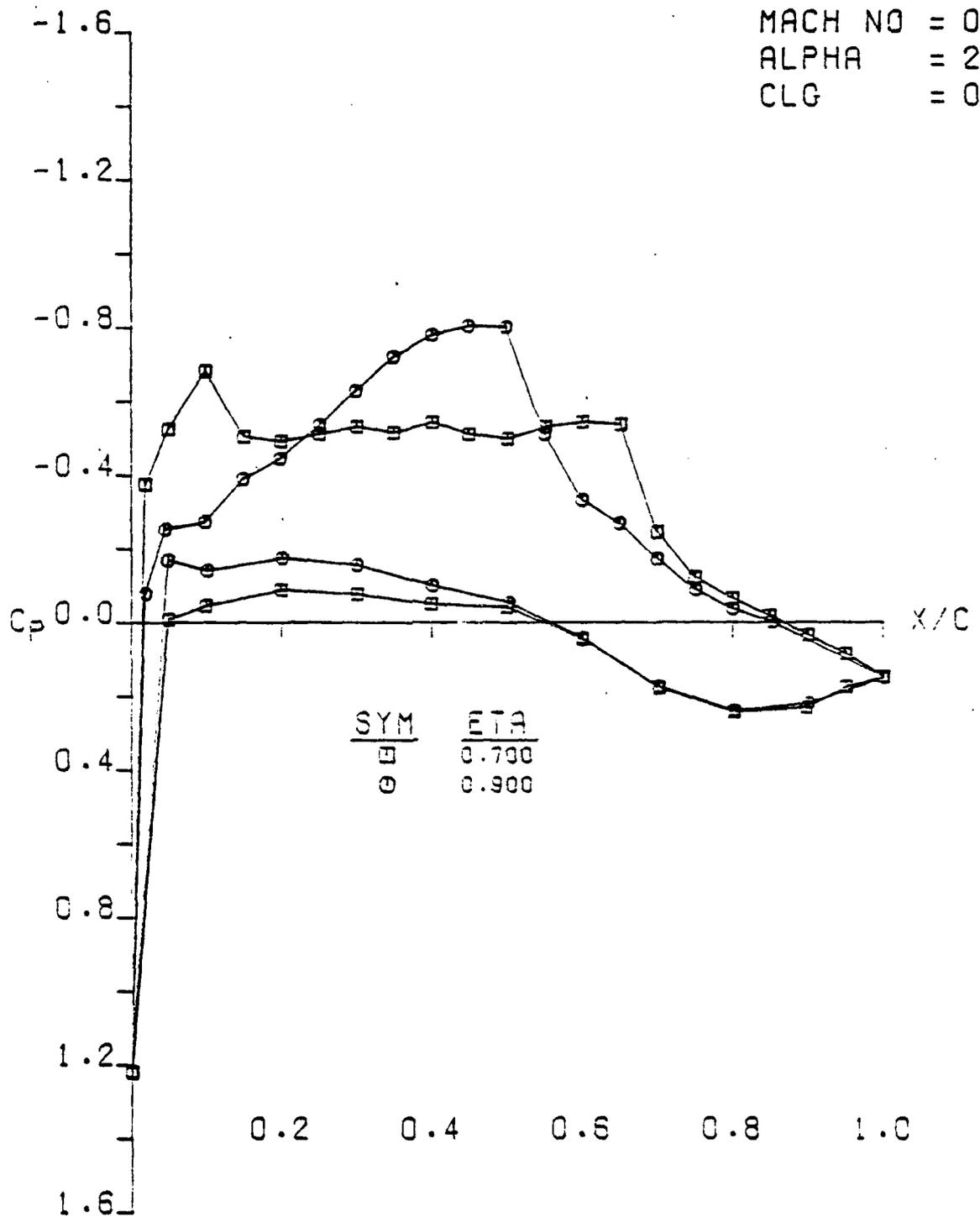
MACH NO = 0.901
 ALPHA = 2.933
 CLG = 0.366



SYM	ETA
□	0.100
○	0.300
△	0.500

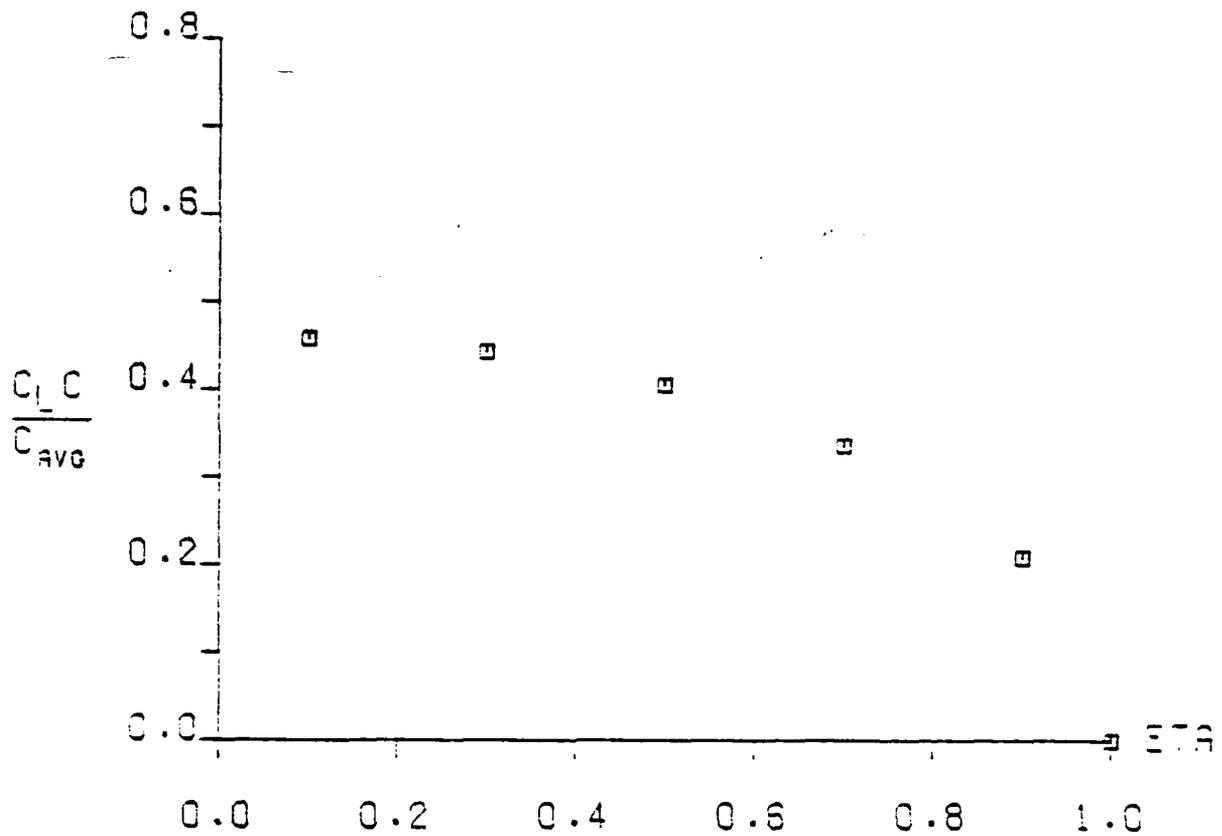
LOCKHEED CFWT SEMI-SPAN TEST, RUN 51
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.901
 ALPHA = 2.933
 CLG = 0.366



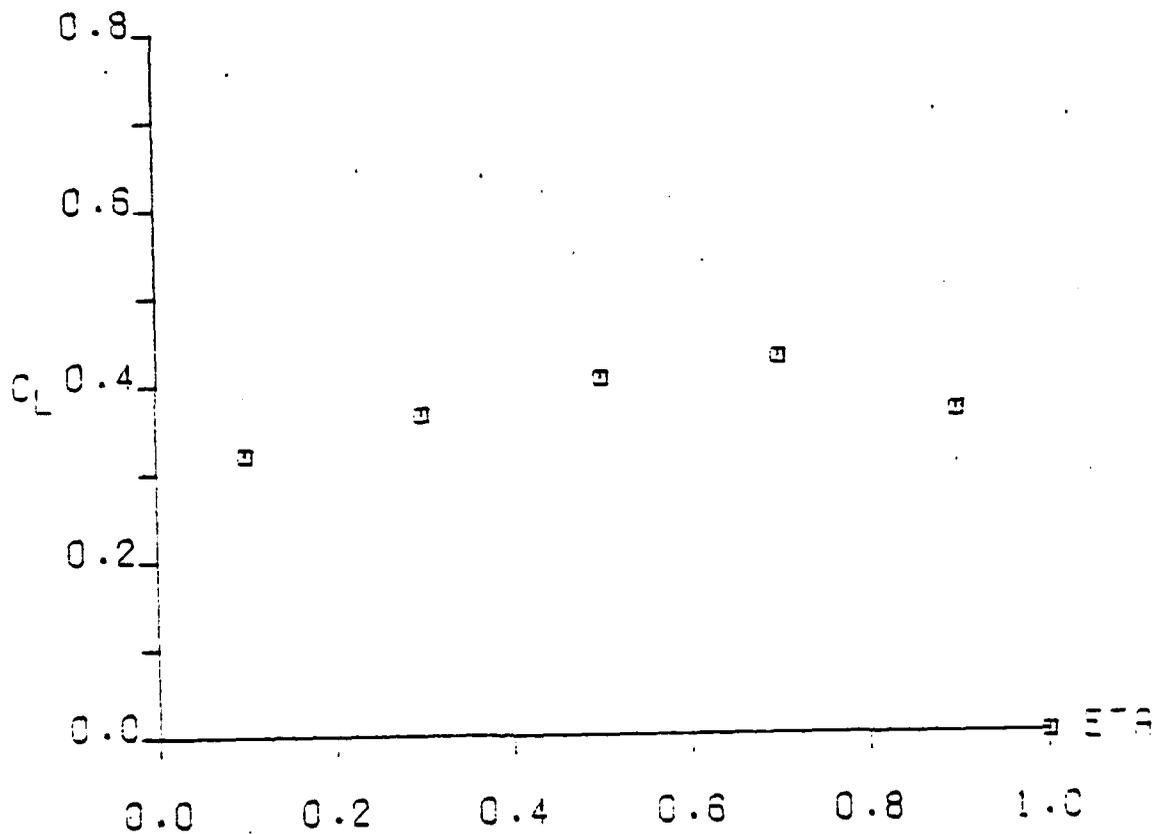
LOCKHEED CFWT SEMI-SPAN TEST, RUN 51
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.901
ALPHA = 2.933
CLG = 0.366



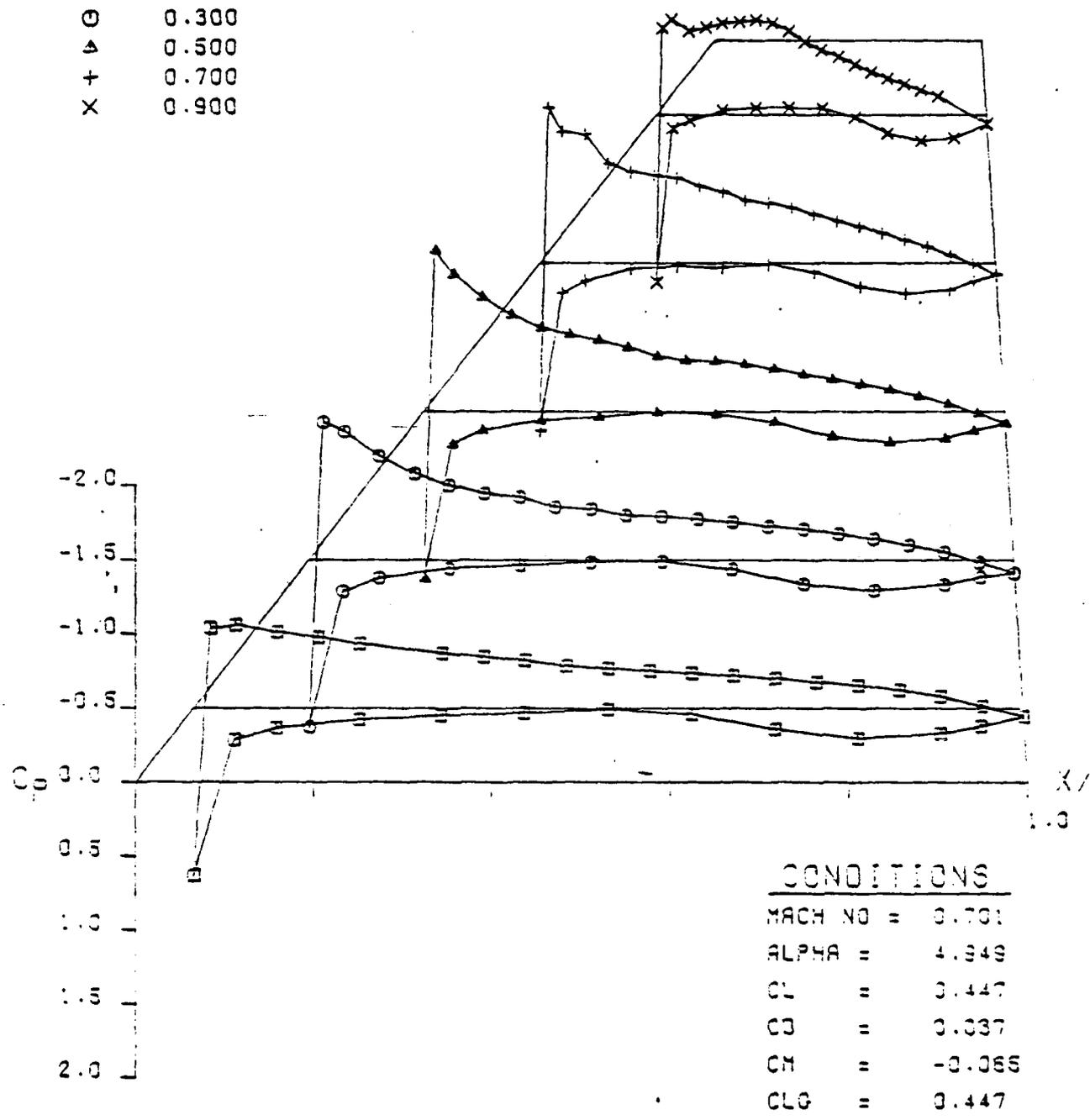
LOCKHEED CFWT SEMI-SPAN TEST, RUN 51
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.901
ALPHA = 2.933
CLG = 0.366



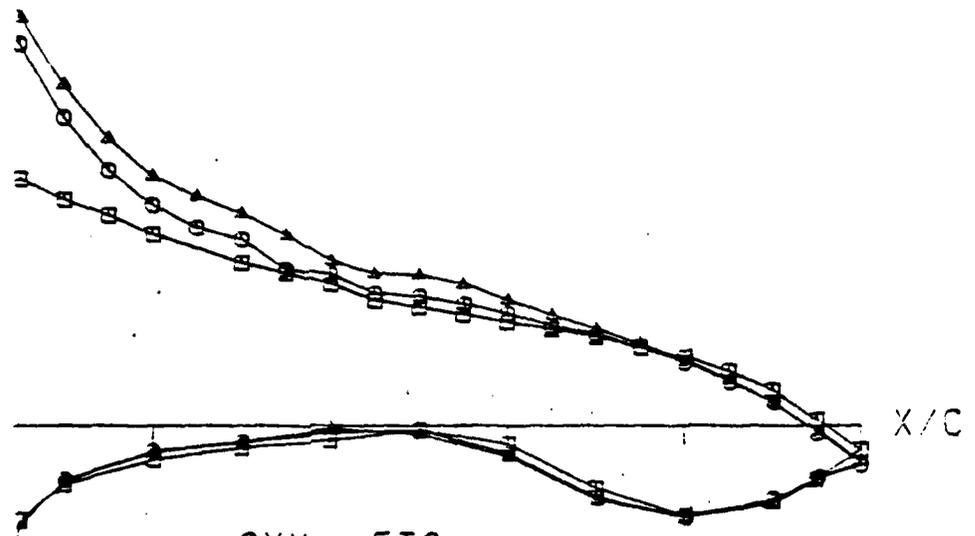
LOCKHEED CFWT SEMI-SPAN TEST, RUN 5:
BASIC DATA
NUMERICALLY OPTIMIZED WING C

<u>SYM</u>	<u>ETA</u>
□	0.100
○	0.300
△	0.500
+	0.700
x	0.900



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

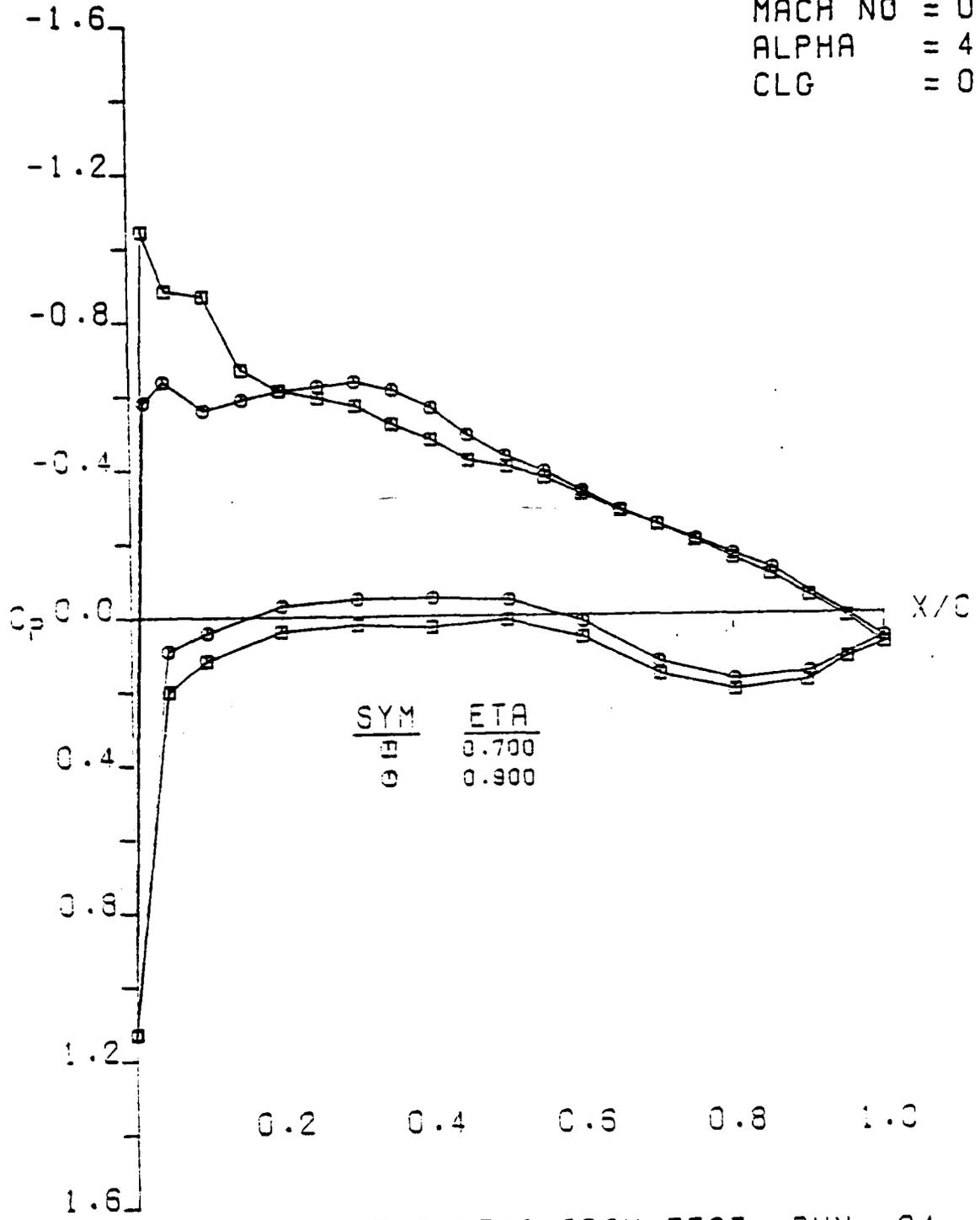


<u>SYM</u>	<u>ETA</u>
□	0.100
○	0.300
△	0.500

0.2 0.4 0.6 0.8 1.0

LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

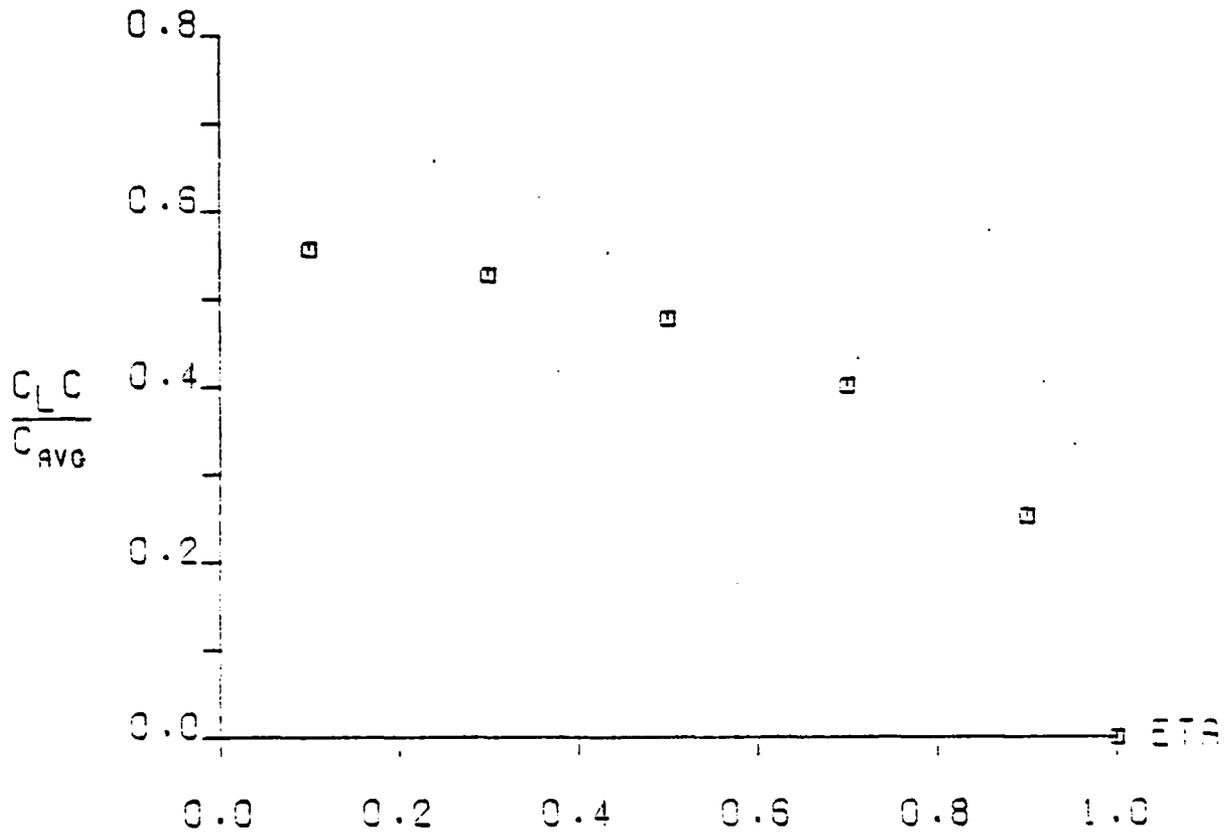
MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447



SYM	ETA
□	0.700
○	0.900

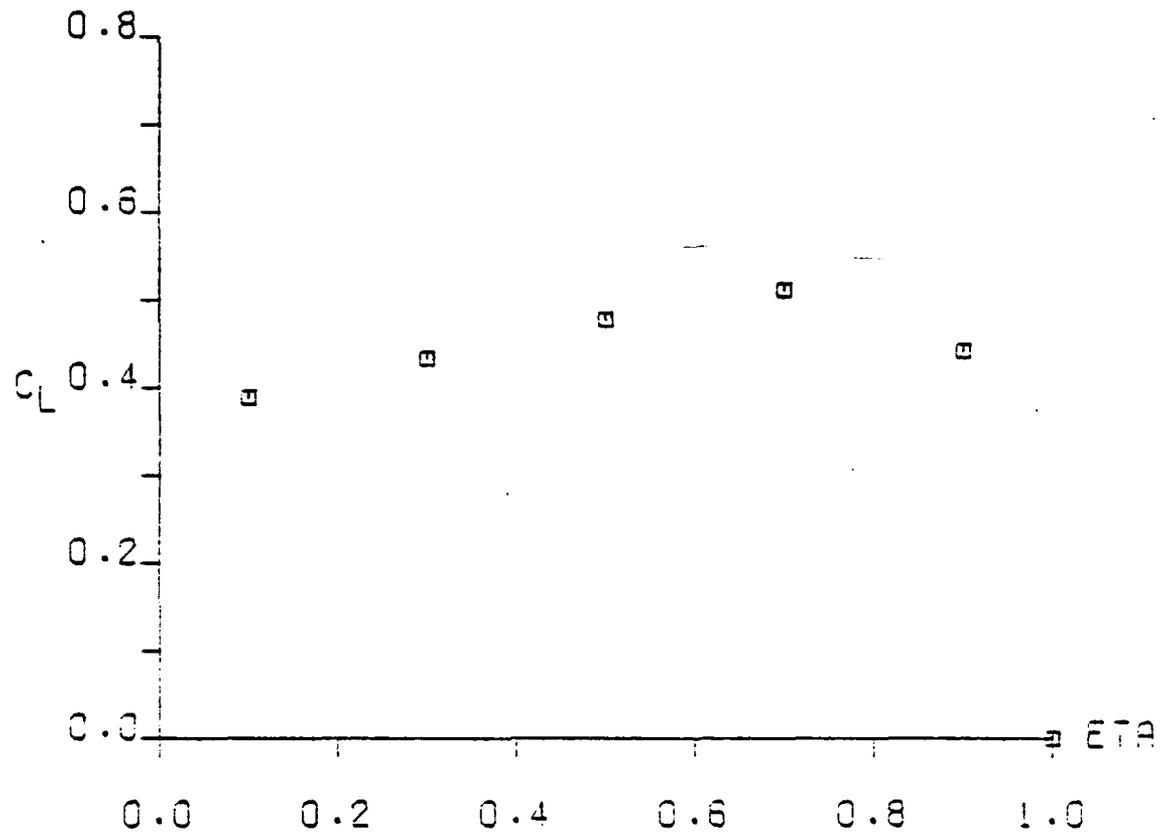
LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
ALPHA = 4.949
CLG = 0.447

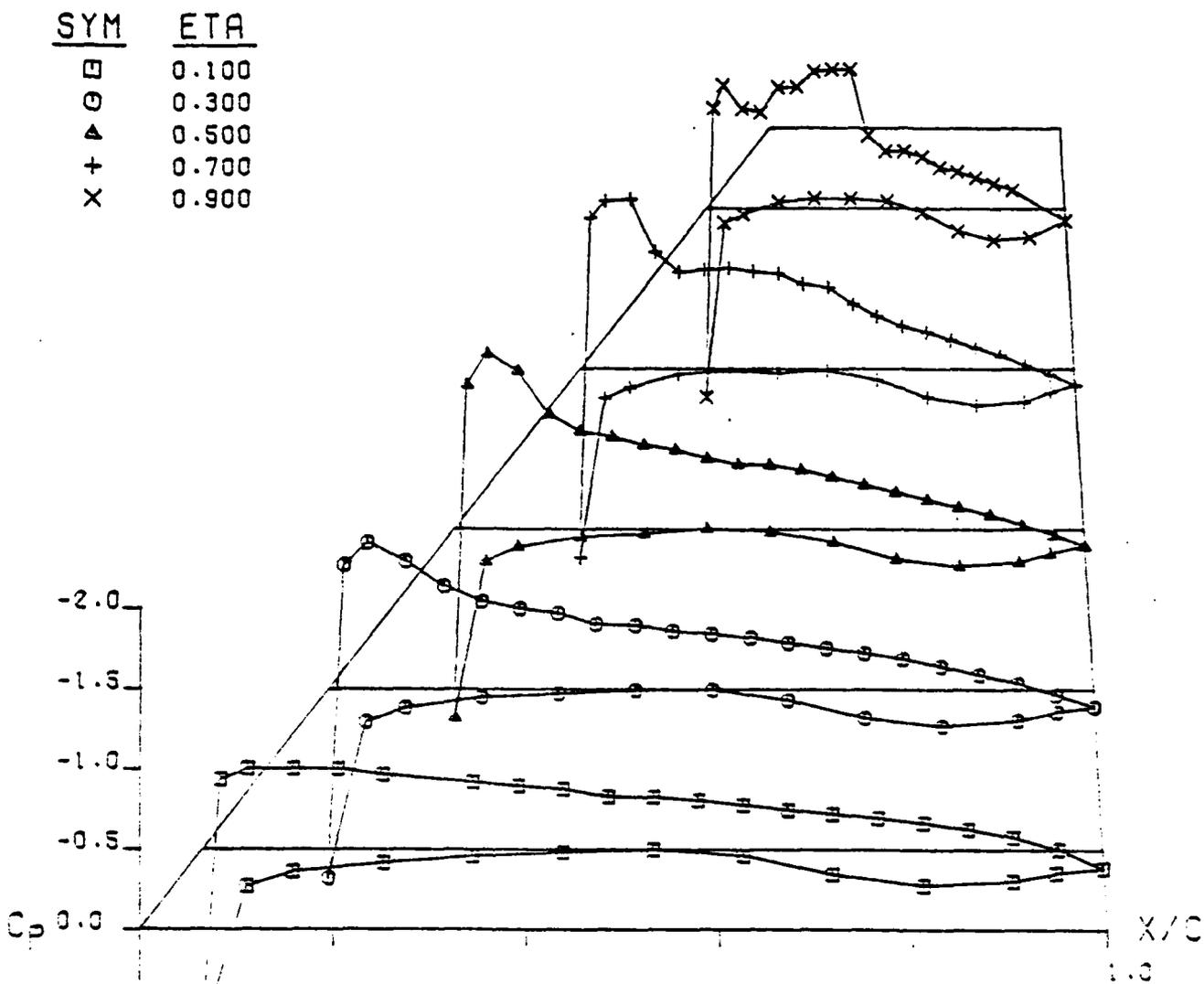


LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
ALPHA = 4.949
CLG = 0.447

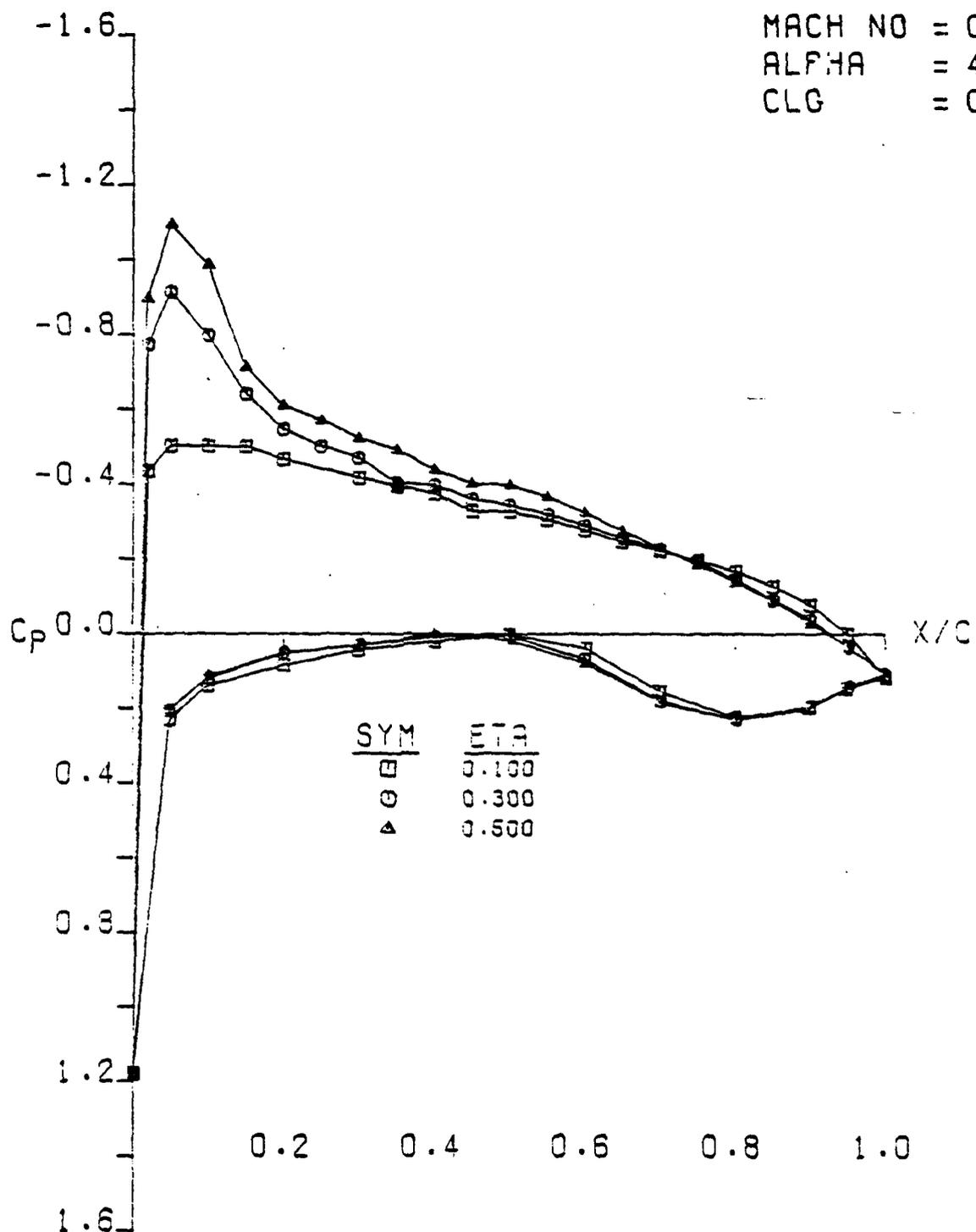


LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
BASIC DATA
NUMERICALLY OPTIMIZED WING C

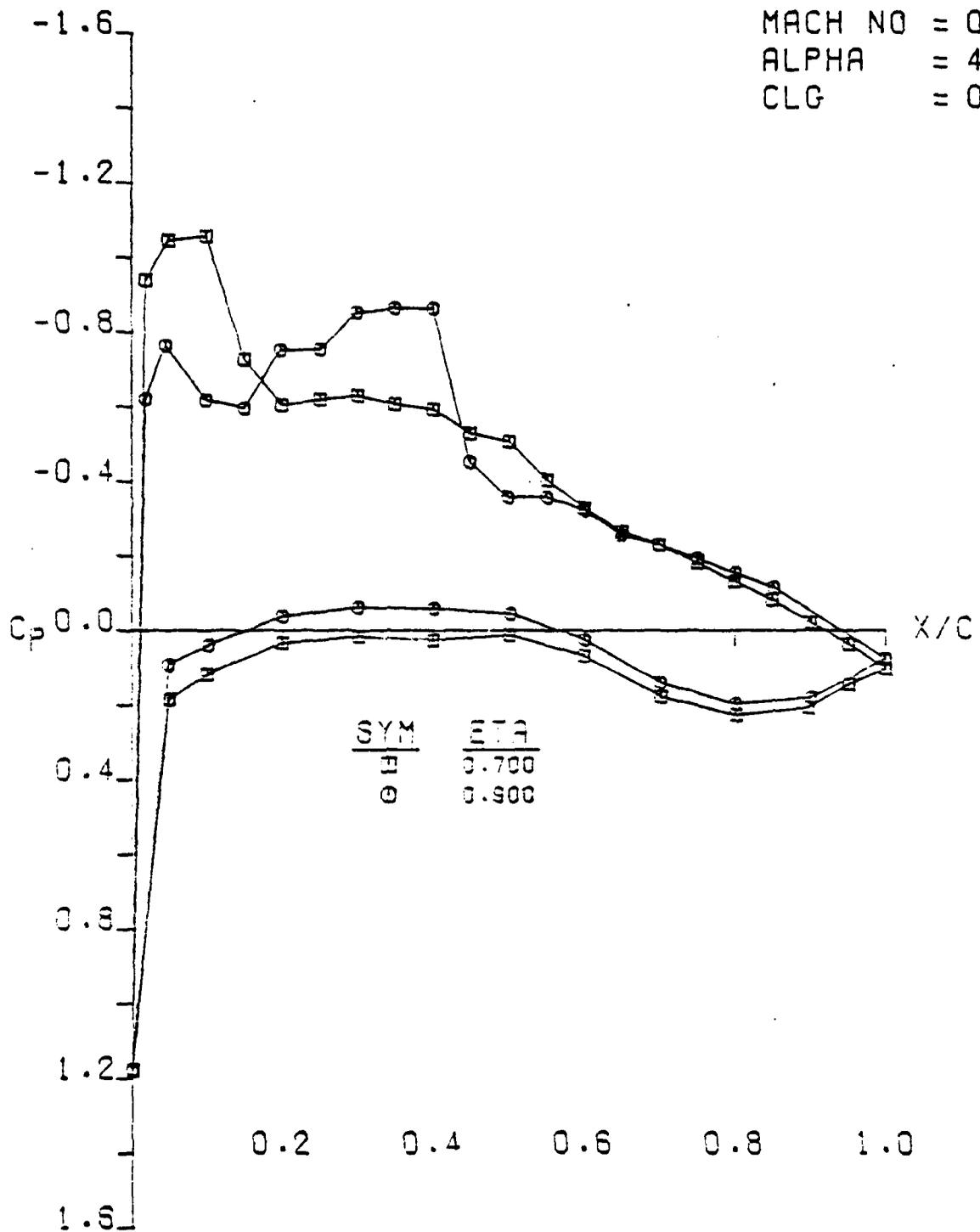


CONDITIONS
 MACH NO = 0.313
 ALPHA = 4.952
 CL = 0.484
 CD = 0.040
 CM = -0.074
 CLG = 0.484

LOCKHEED CFWT SEMI-SPAN TEST, RUN 253
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

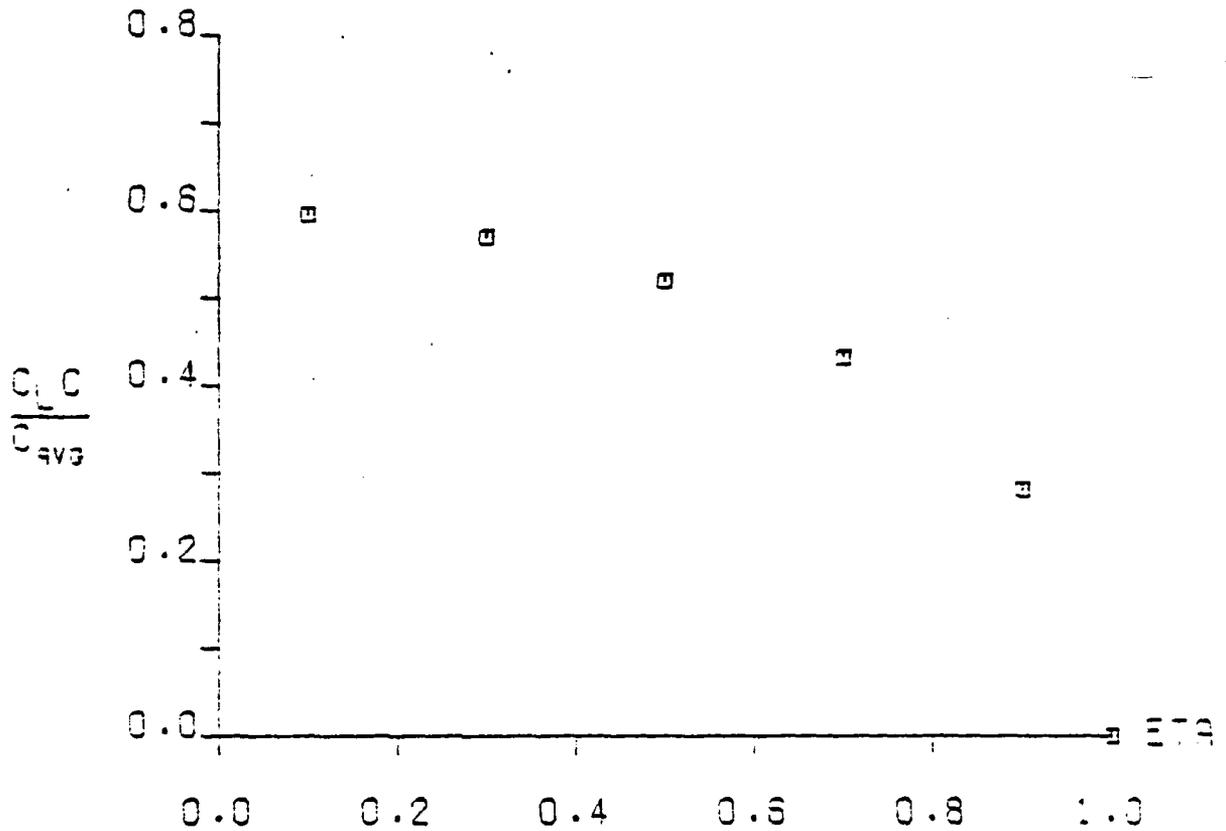


LOCKHEED CPWT SEMI-SPAN TEST, RUN 253
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C



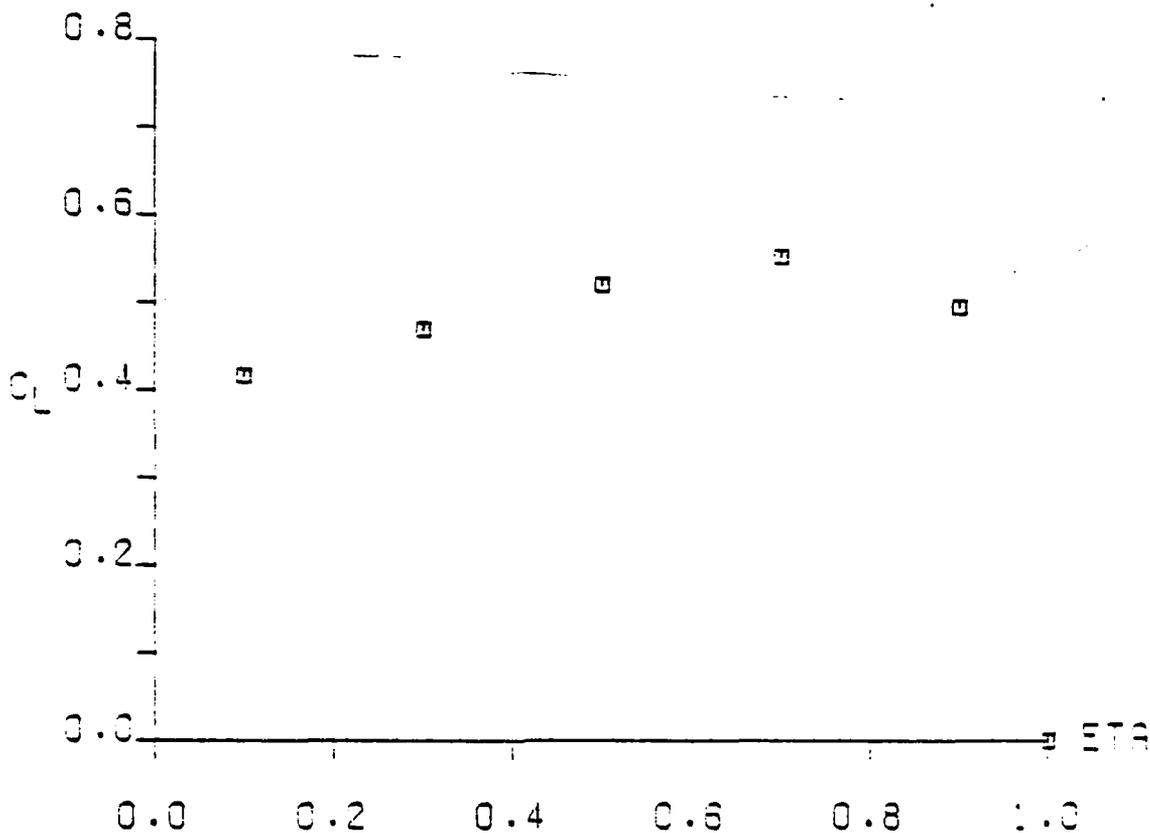
LOCKHEED CFWT SEMI-SPAN TEST, RUN 253
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.818
ALPHA = 4.952
CLG = 0.484



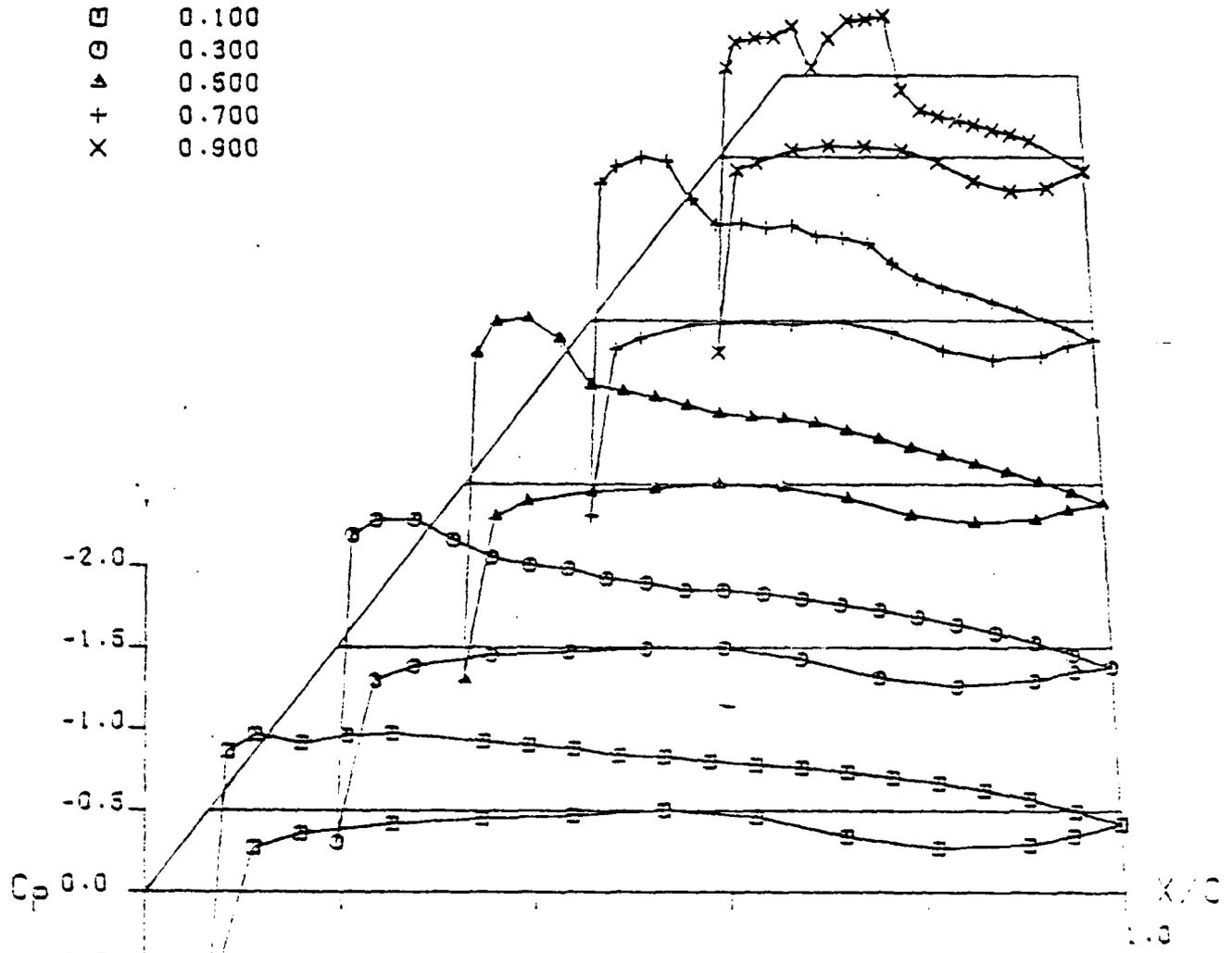
LOCKHEED CFWT SEMI-SPAN TEST, RUN 253
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.818
ALPHA = 4.952
CLG = 0.484



LOCKHEED CFWT SEMI-SPAN TEST, RUN 253
BASIC DATA
NUMERICALLY OPTIMIZED WING C

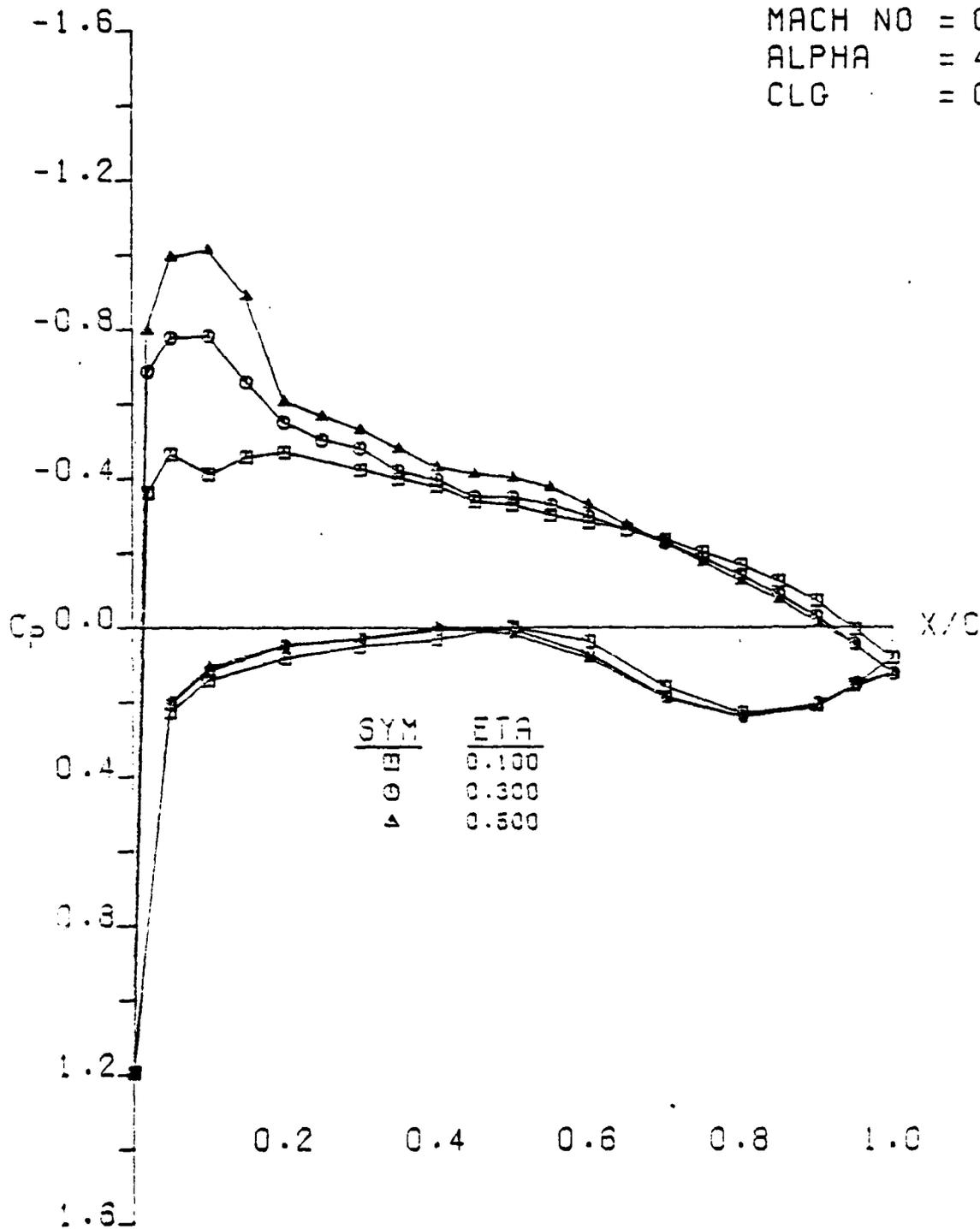
<u>SYM</u>	<u>ETA</u>
□	0.100
○	0.300
▲	0.500
+	0.700
X	0.900



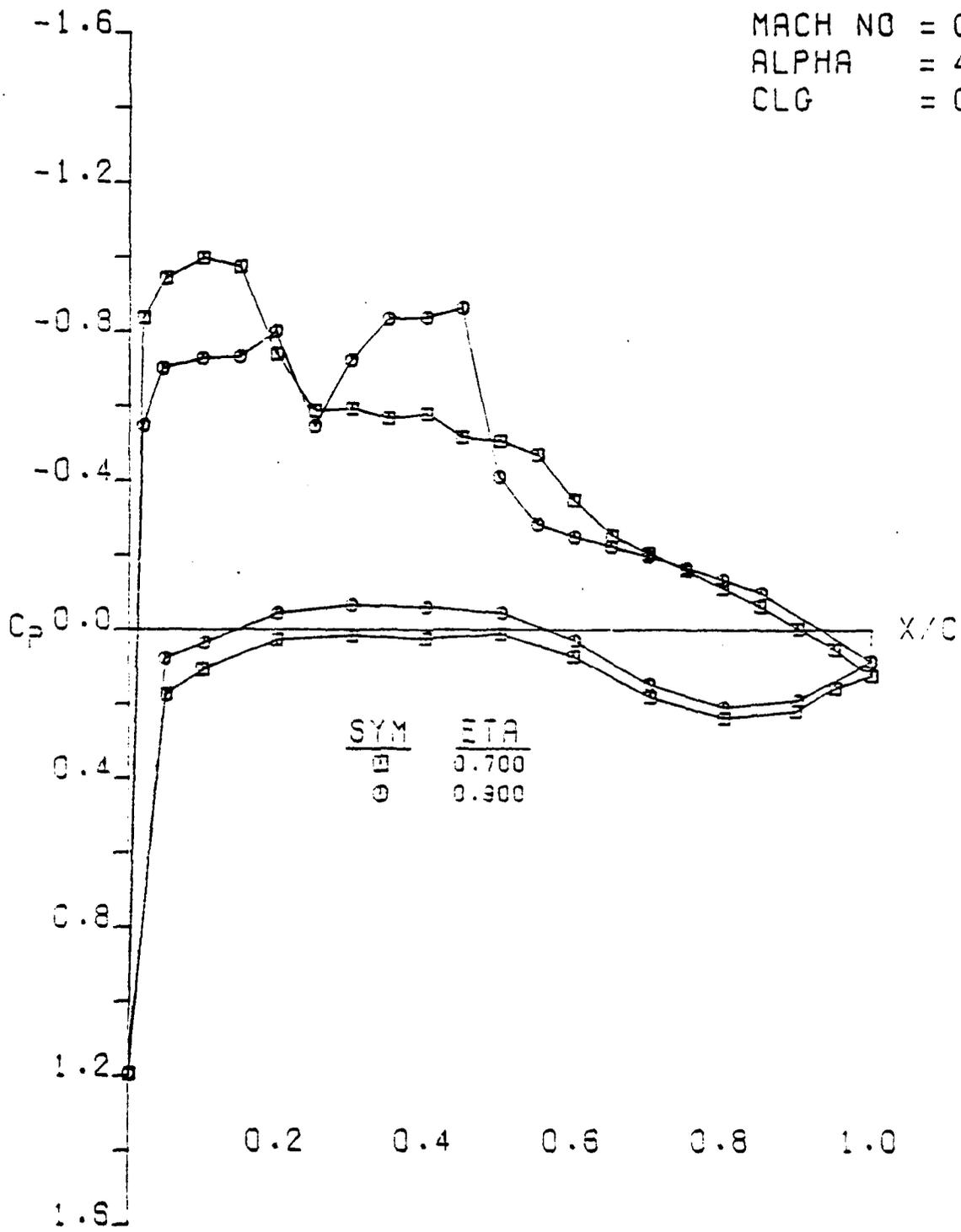
CONDITIONS

MACH NO =	0.351
ALPHA =	4.900
CL =	0.484
CD =	0.042
CM =	-0.075
CLG =	0.484

LOCKHEED CFWT SEMI-SPAN TEST, RUN 42
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

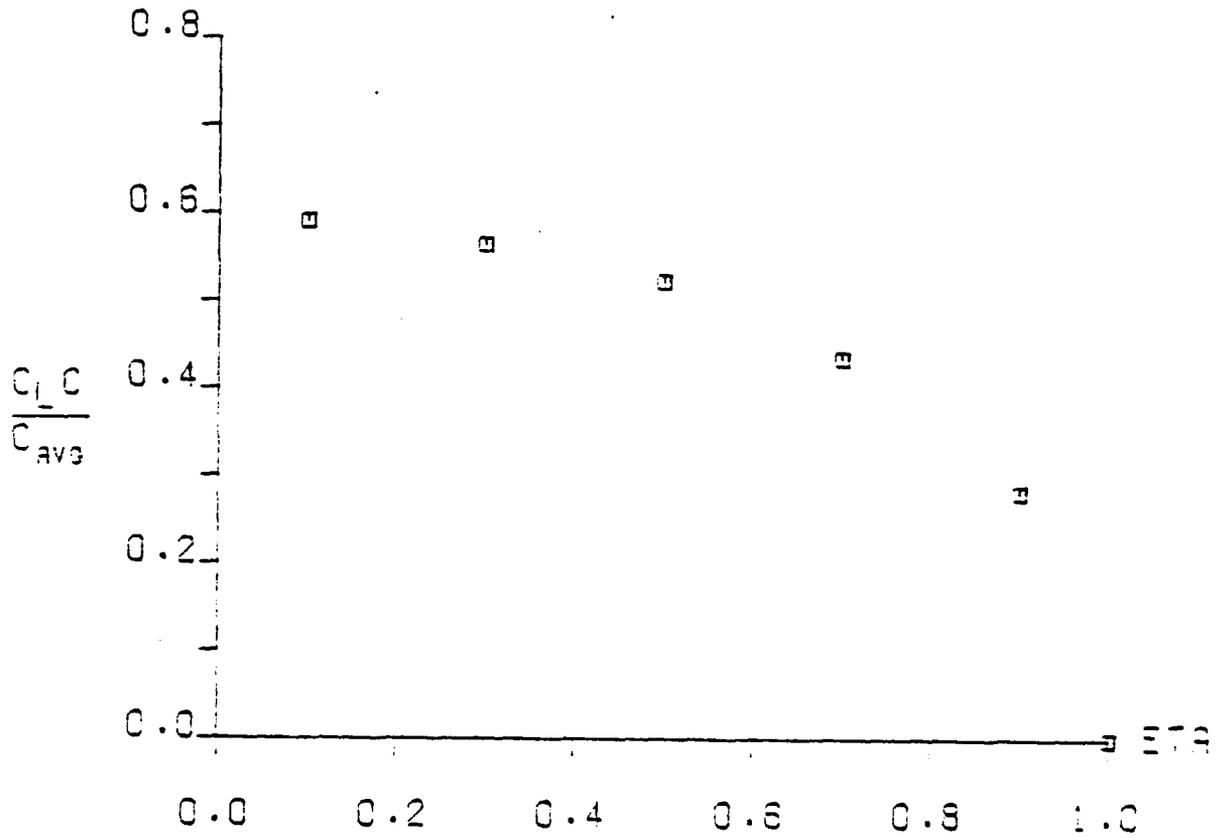


LOCKHEED CPWT SEMI-SPAN TEST, RUN 42
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C



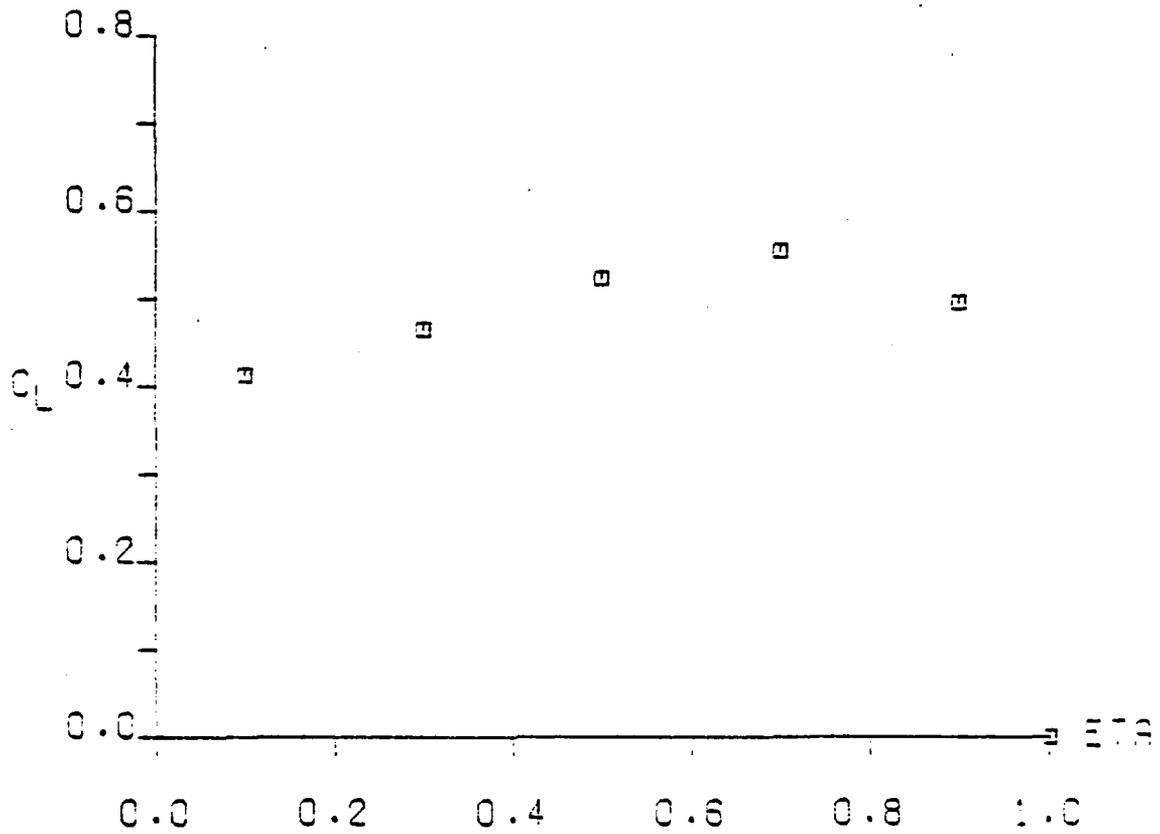
LOCKHEED CFWT SEMI-SPAN TEST, RUN 42
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.351
ALPHA = 4.900
CLG = 0.484



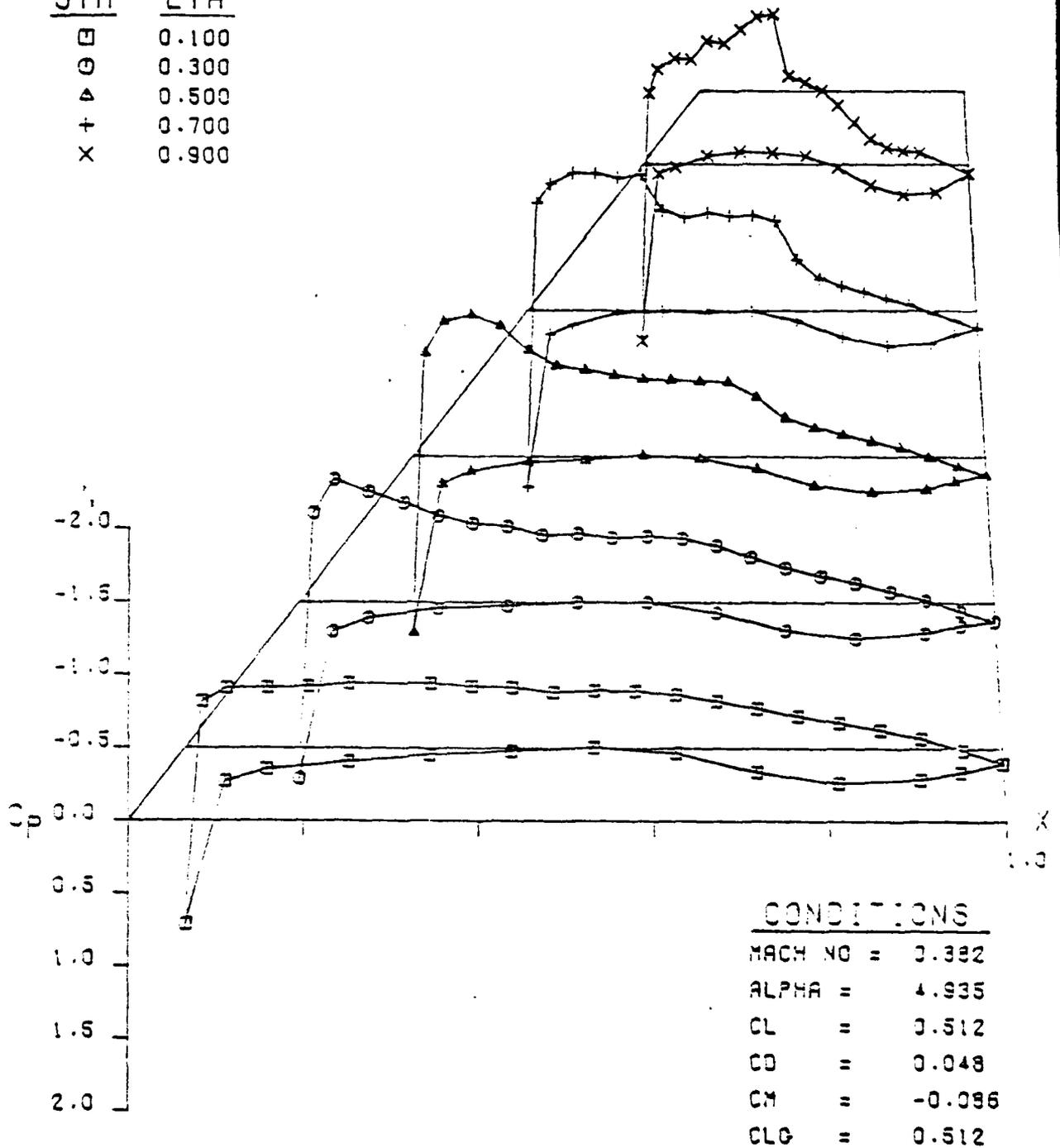
LOCKHEED CFWT SEMI-SPAN TEST, RUN 42
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
ALPHA = 4.900
CLG = 0.484

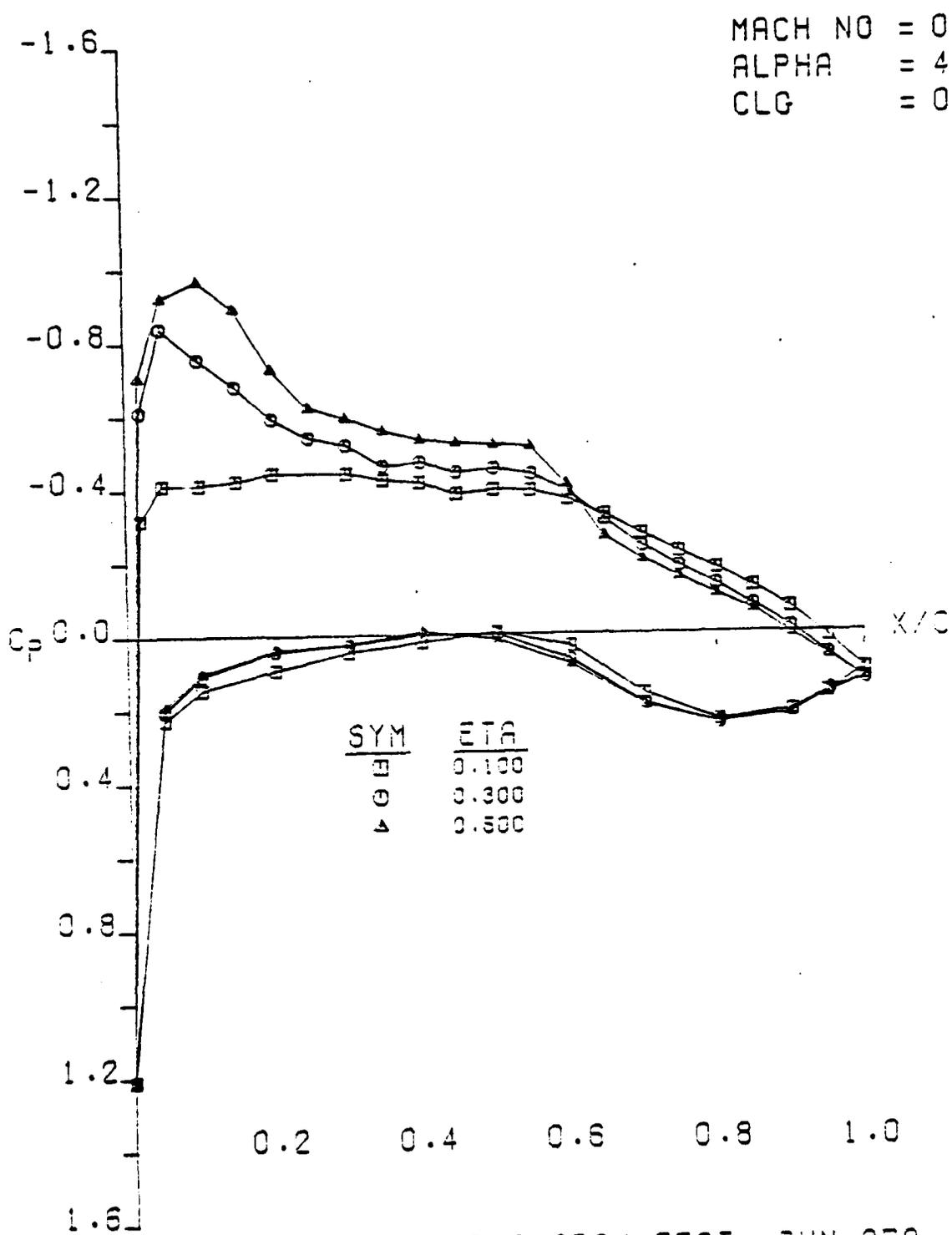


LOCKHEED CFWT SEMI-SPAN TEST, RUN 42
BASIC DATA
NUMERICALLY OPTIMIZED WING C

<u>SYM</u>	<u>ETA</u>
□	0.100
○	0.300
△	0.500
+	0.700
x	0.900

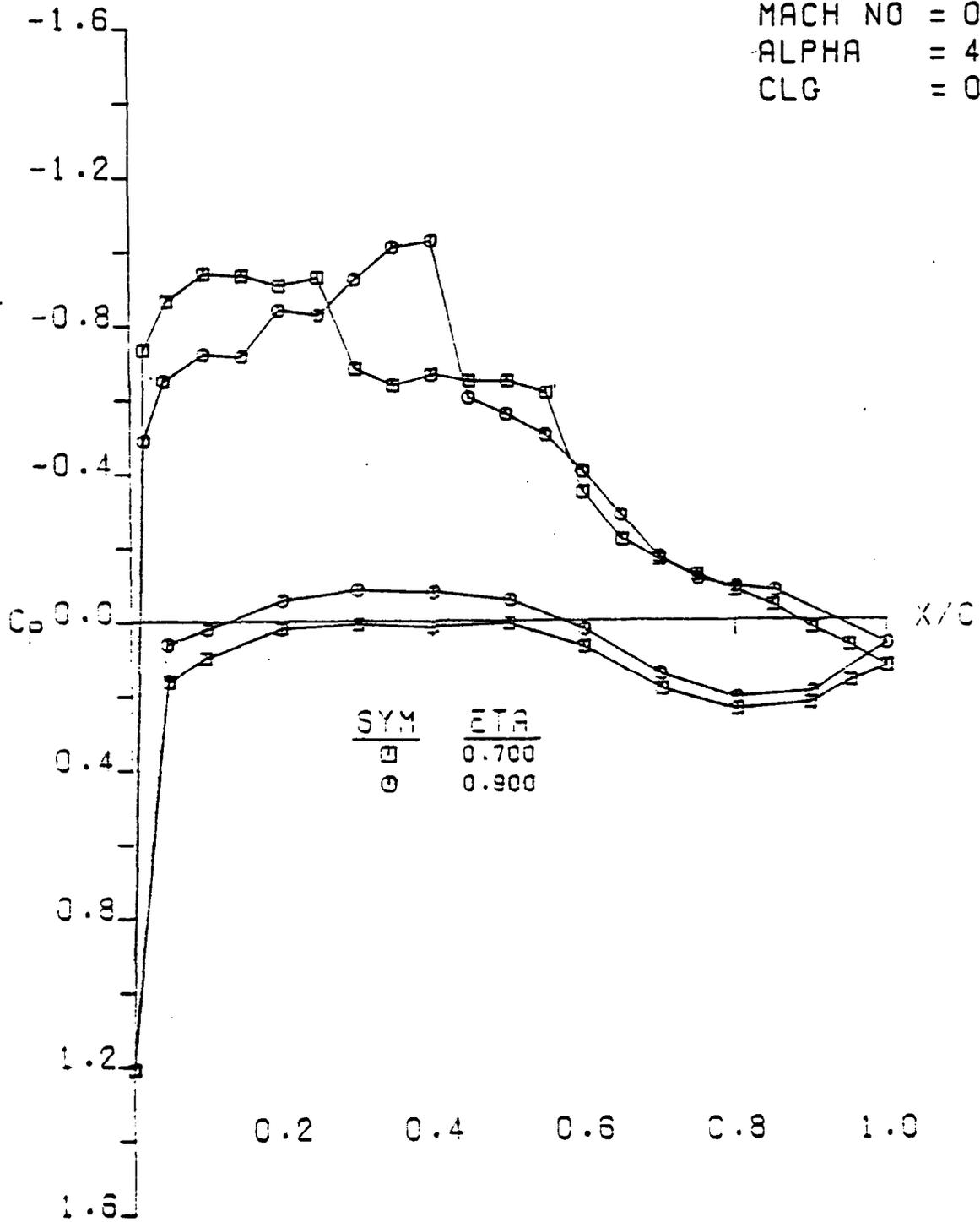


LOCKHEED CFWT SEMI-SPAN TEST, RUN 278
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C



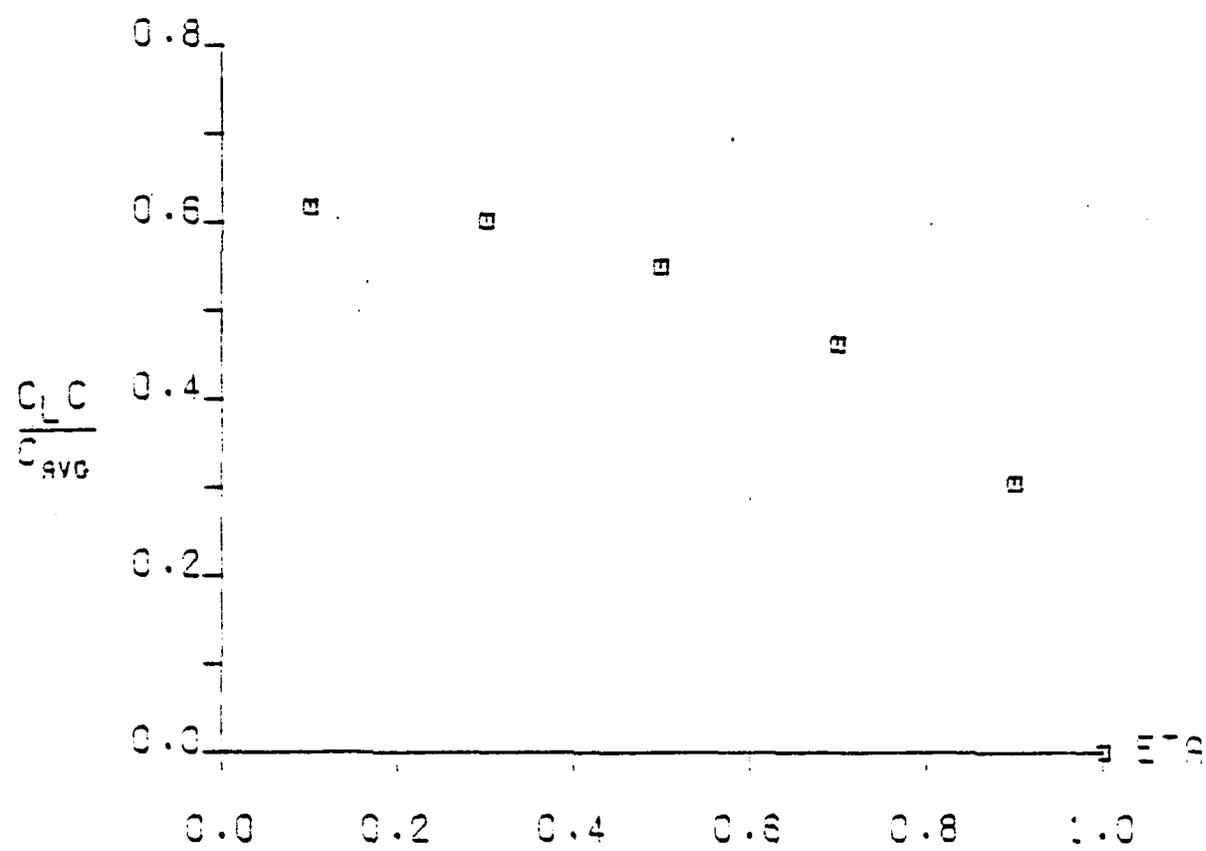
LOCKHEED CFWT SEMI-SPAN TEST, RUN 278
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.882
 ALPHA = 4.935
 CLG = 0.512



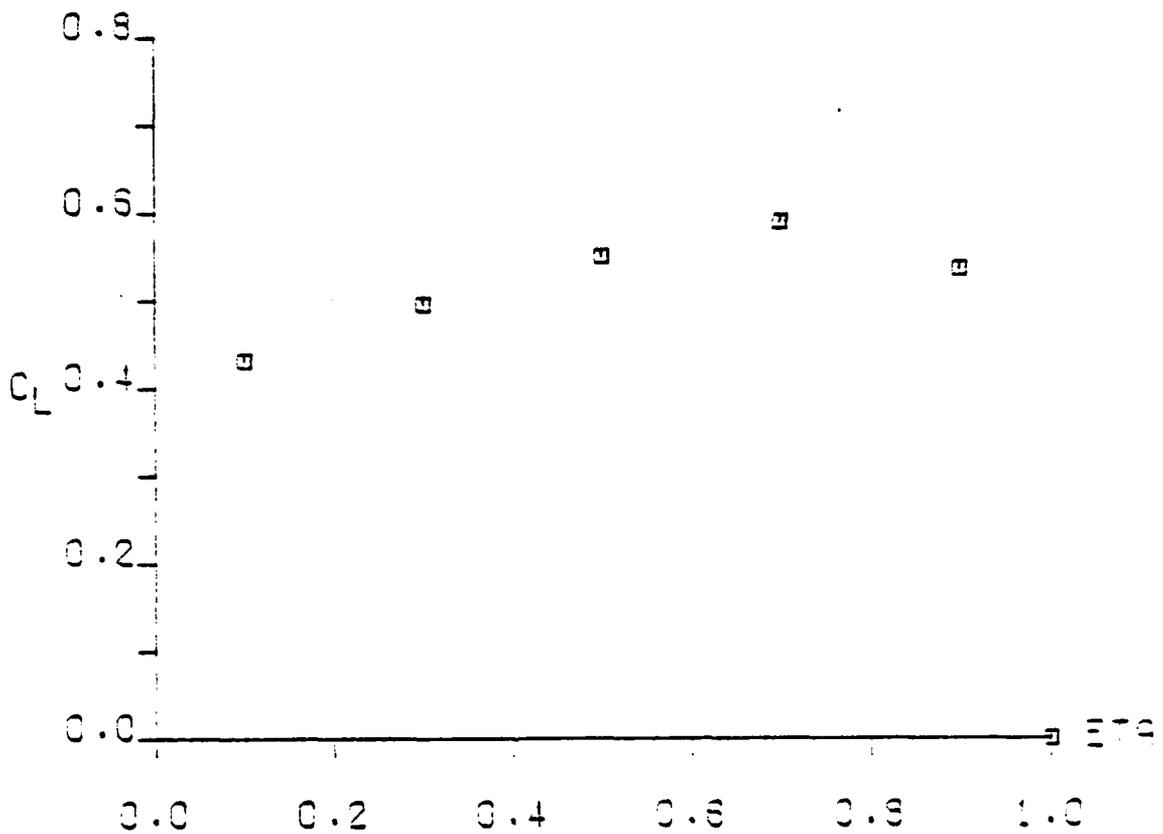
LOCKHEED CPWT SEMI-SPAN TEST, RUN 278
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.882
ALPHA = 4.935
CLG = 0.512



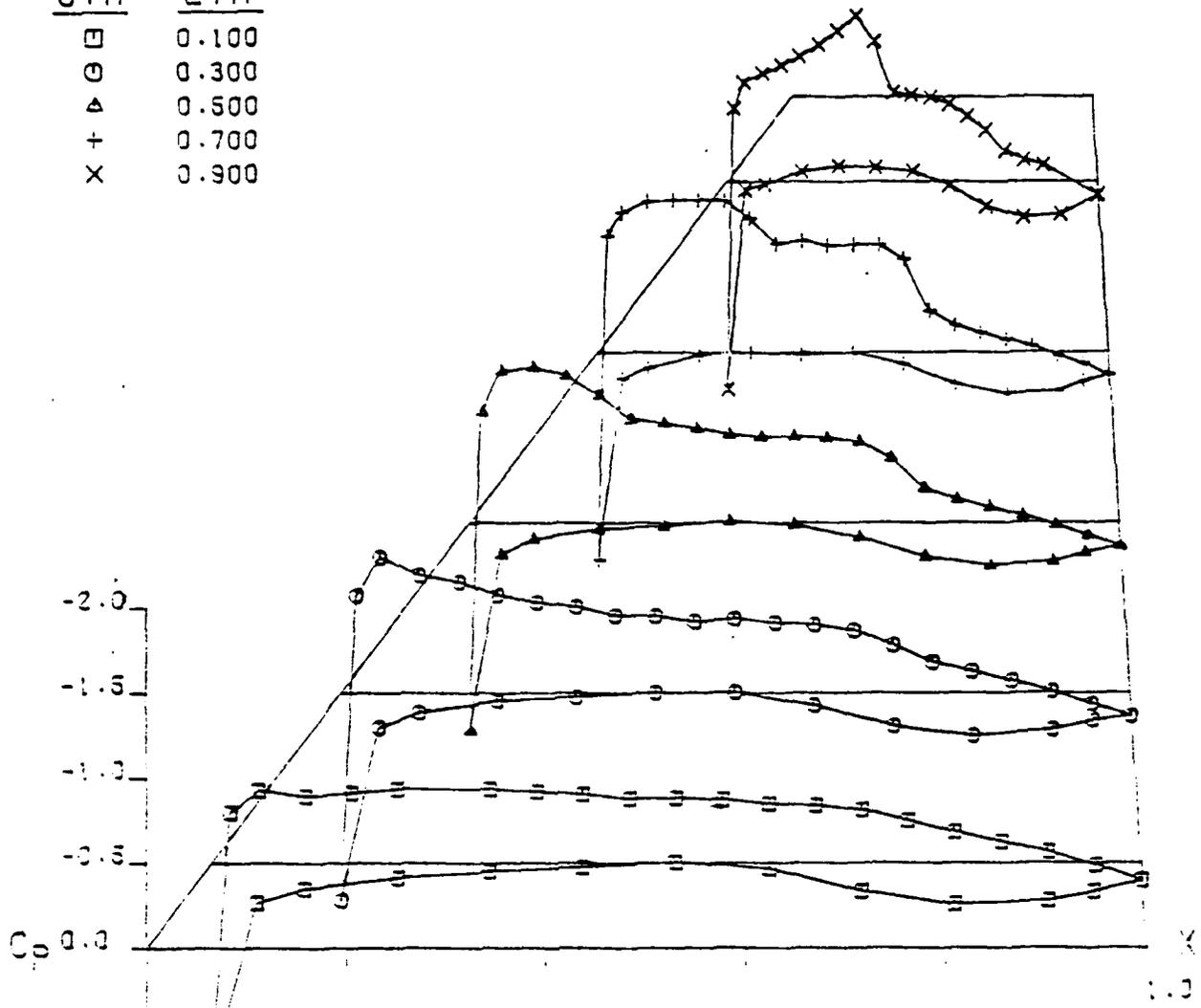
LOCKHEED CFWT SEMI-SPAN TEST, RUN 278
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.882
ALPHA = 4.935
CLG = 0.512



LOCKHEED CFWT SEMI-SPAN TEST, RUN 278
BASIC DATA
NUMERICALLY OPTIMIZED WING C

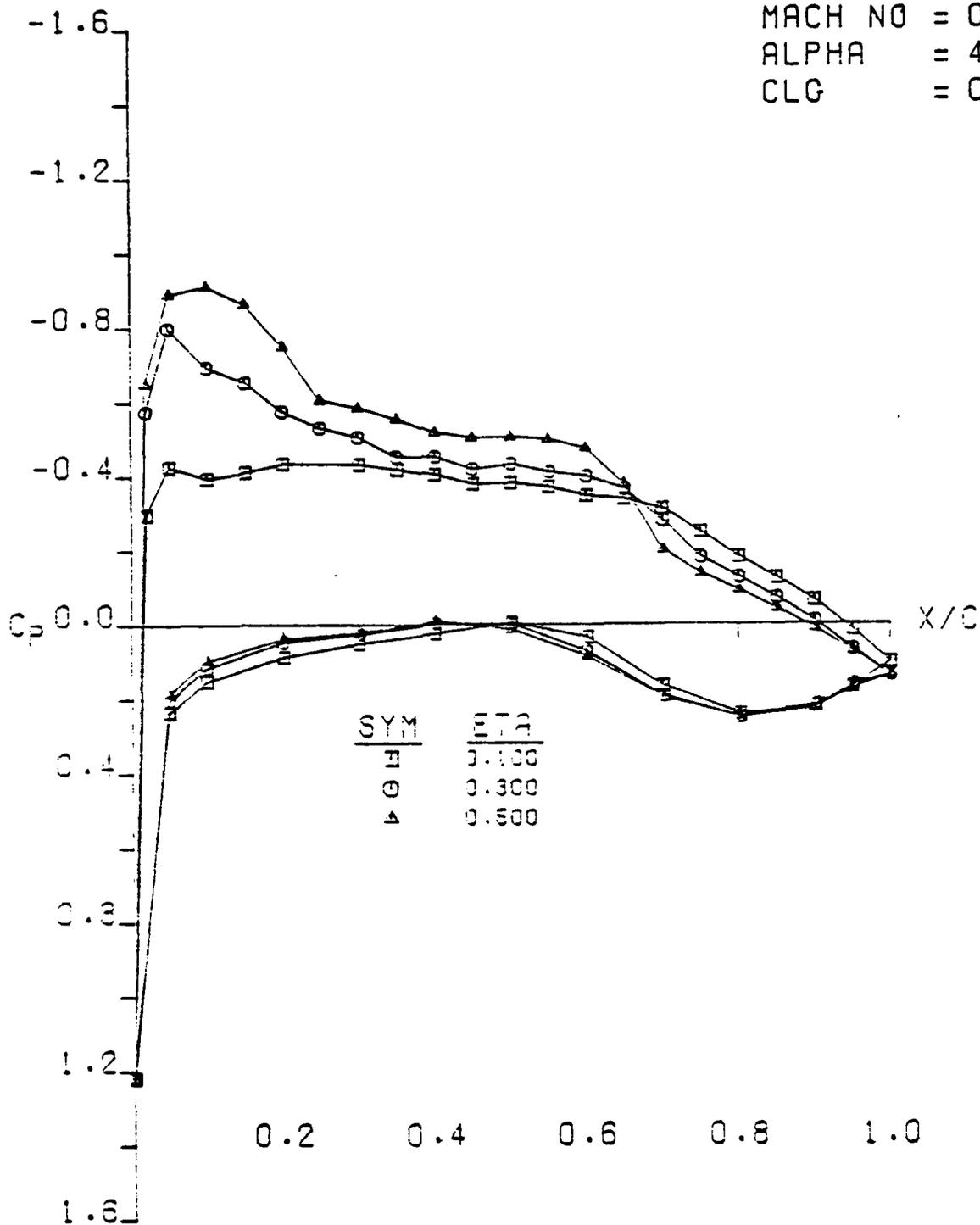
<u>SYM</u>	<u>ETA</u>
□	0.100
○	0.300
△	0.500
+	0.700
x	0.900



<u>CONDITIONS</u>	
MACH NO =	0.900
ALPHA =	4.914
CL =	0.504
CD =	0.049
CM =	-0.089
CLG =	0.504

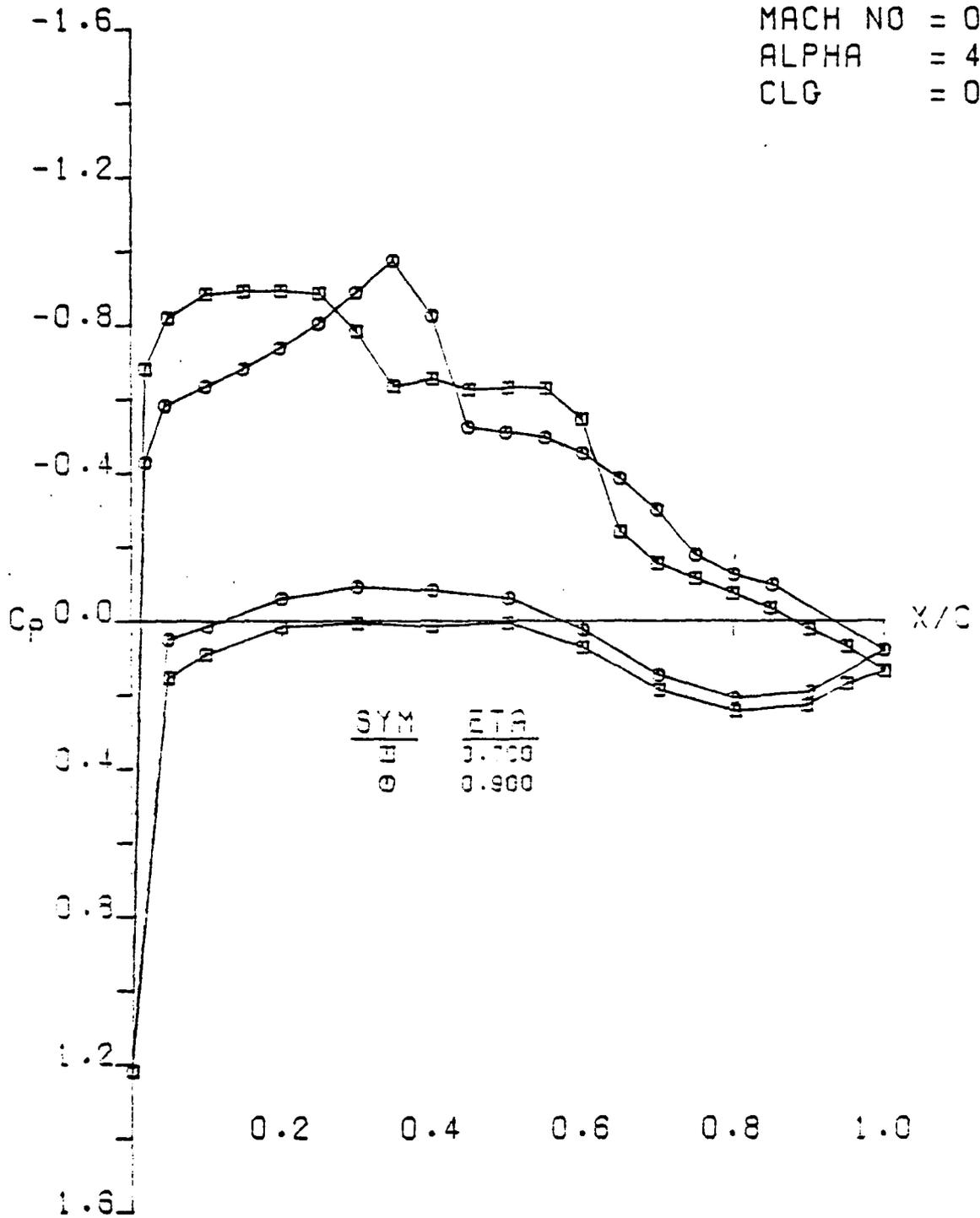
LOCKHEED CPWT SEMI-SPAN TEST, RUN 53
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504



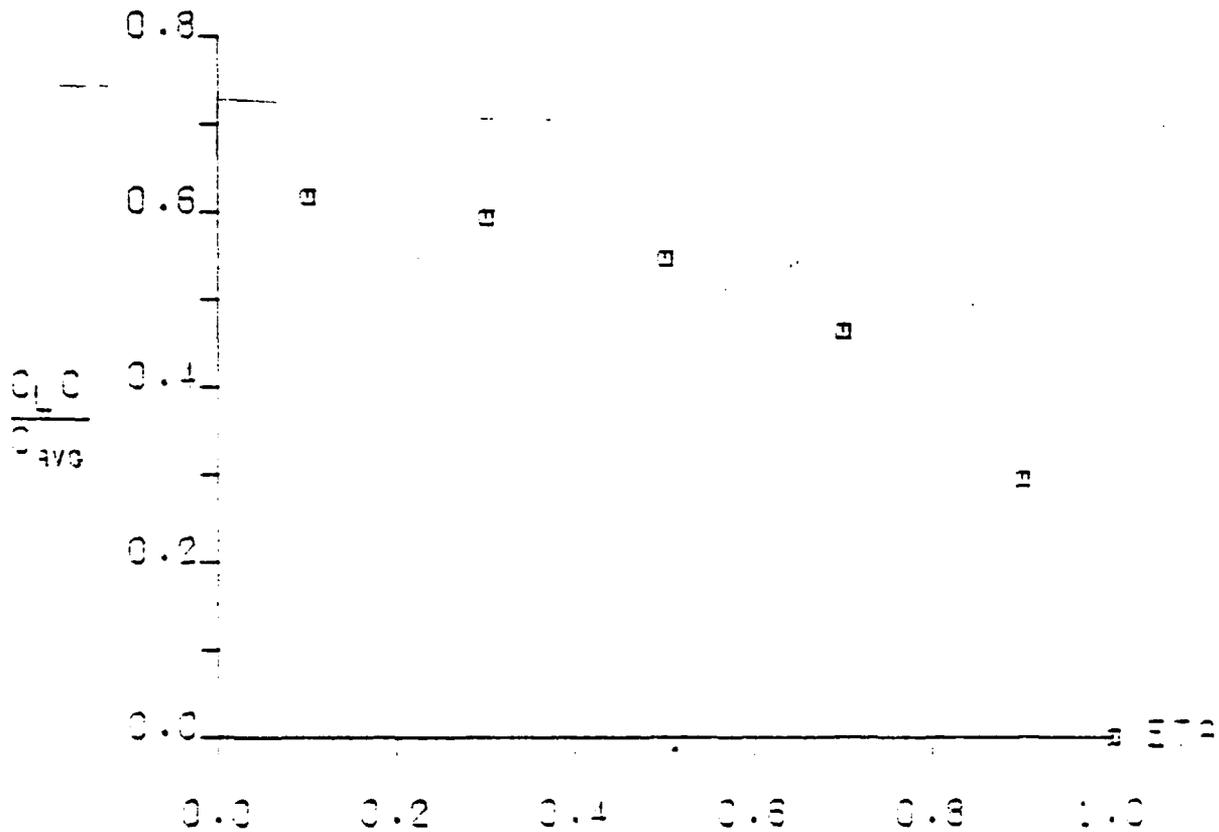
LOCKHEED CPWT SEMI-SPAN TEST, RUN 53
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504



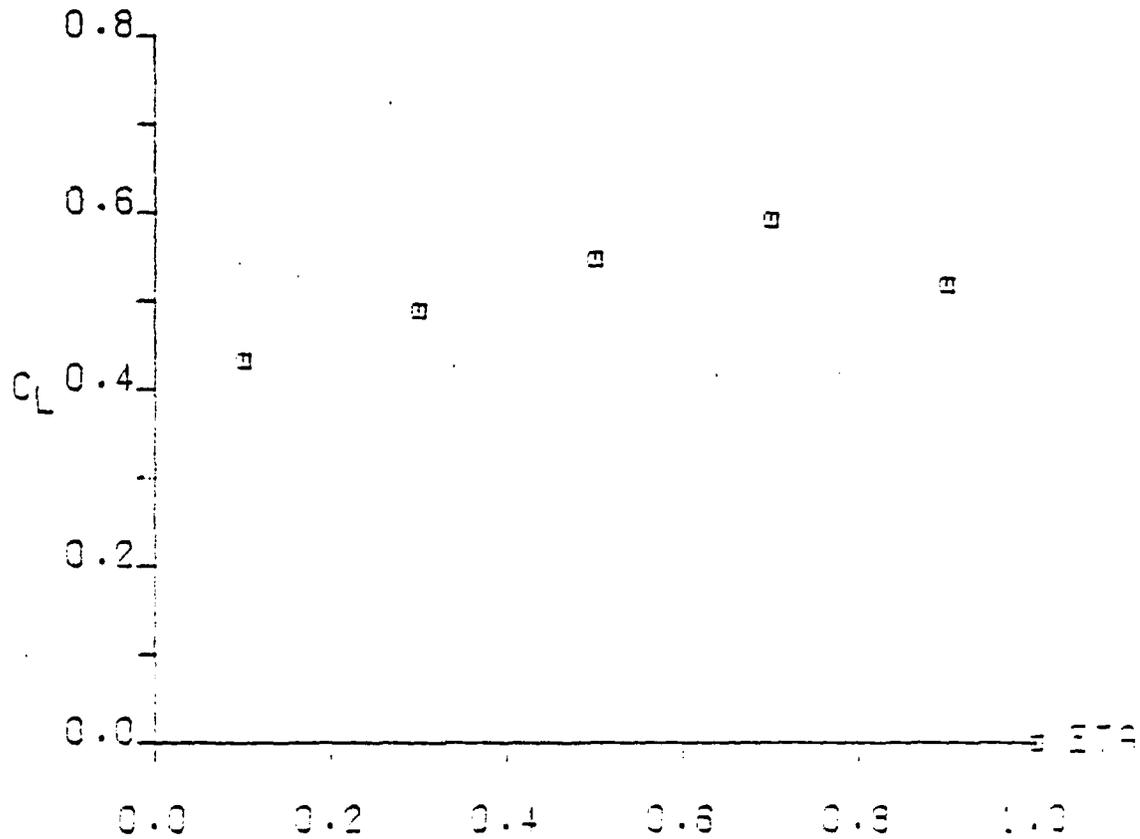
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.900
ALPHA = 4.914
CLG = 0.504



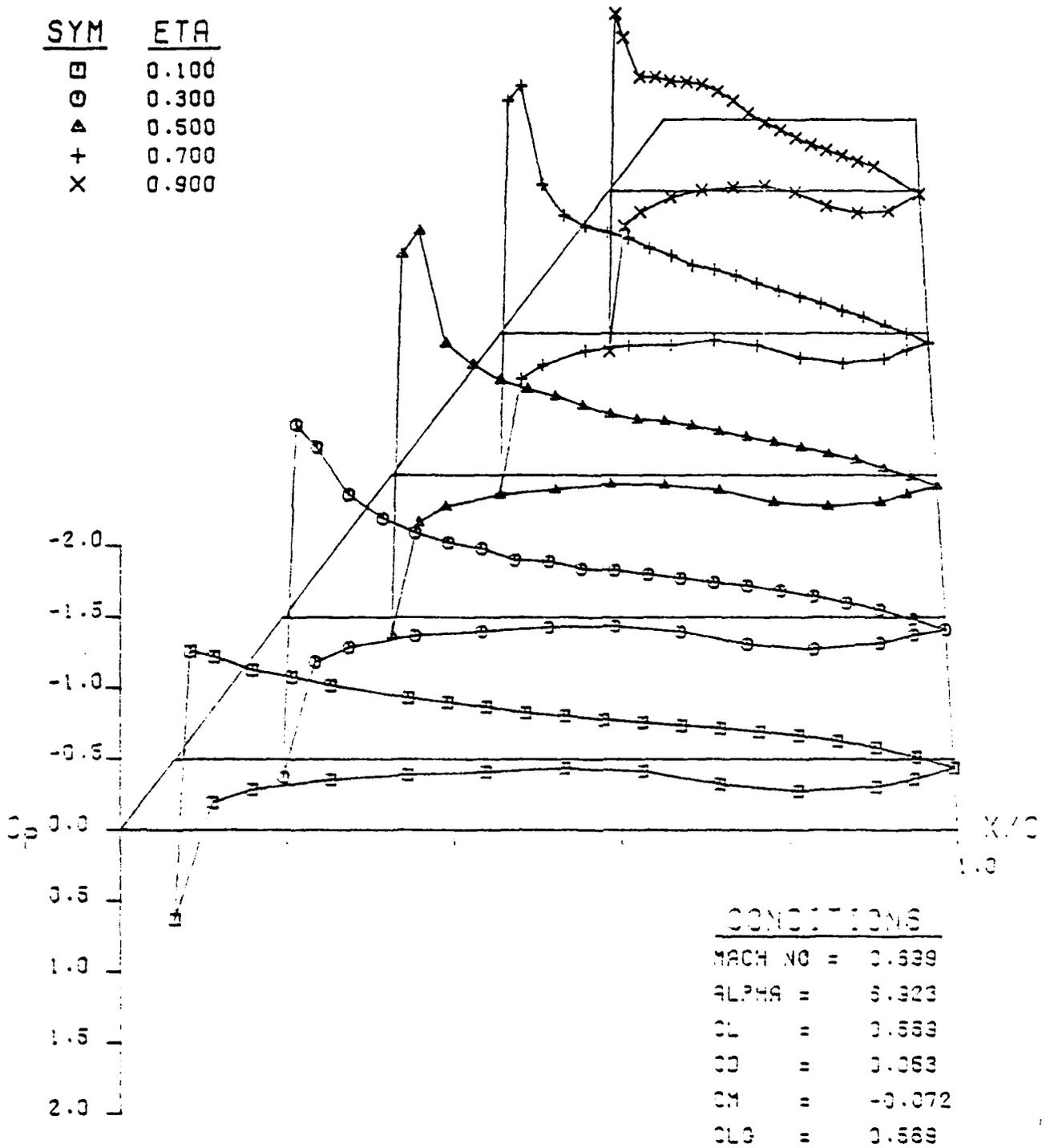
LOCKHEED CFWT SEMI-SPAN TEST. RUN 53
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.900
ALPHA = 4.914
CLG = 0.504



LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
BASIC DATA
NUMERICALLY OPTIMIZED WING C

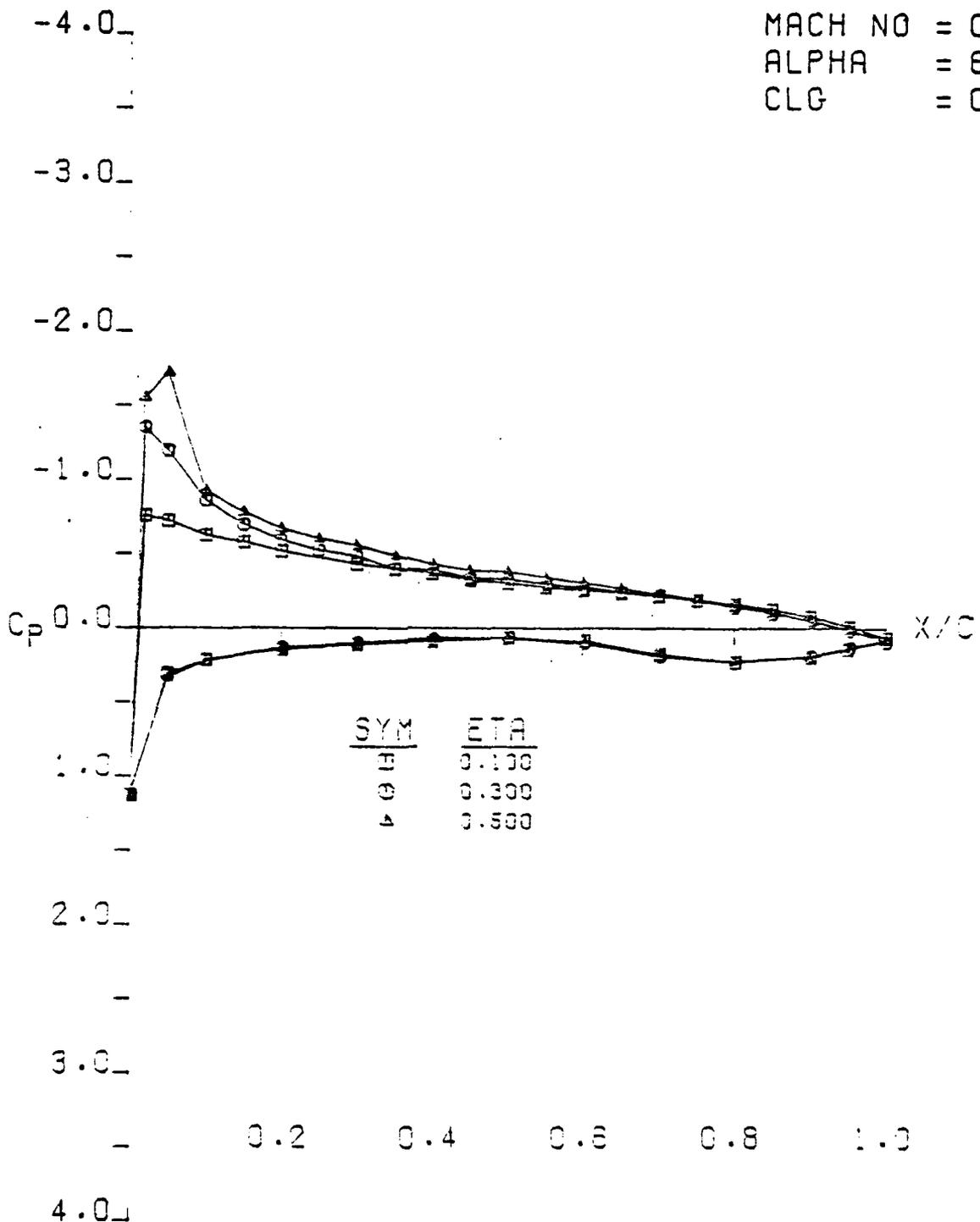
<u>SYM</u>	<u>ETA</u>
□	0.100
○	0.300
△	0.500
+	0.700
x	0.900



<u>CONDITIONS</u>	
MACH NO =	0.539
ALPHA =	8.323
CL =	0.553
CD =	0.053
CM =	-0.072
CL3 =	0.559

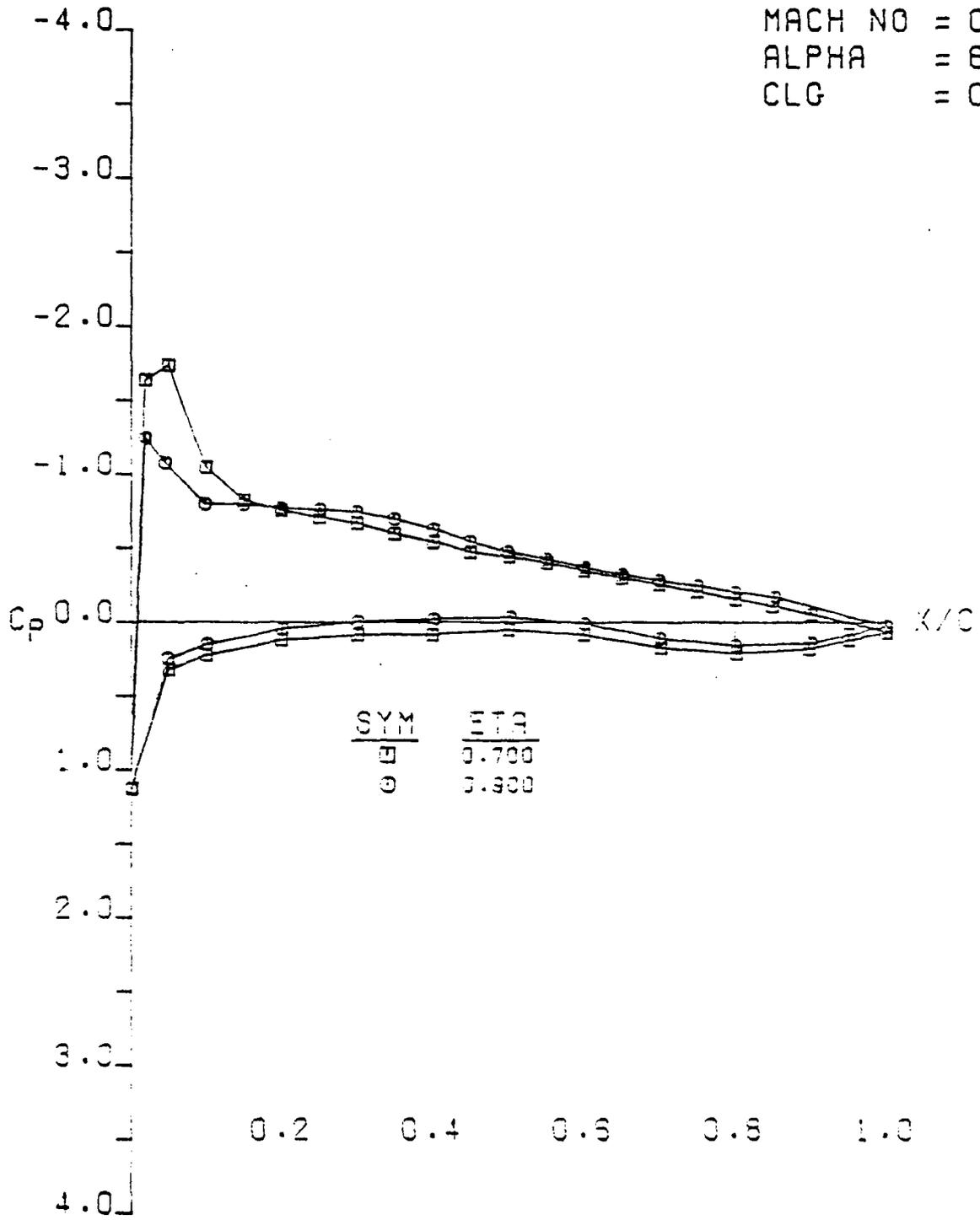
LOCKHEED CFWT SEMI-SPAN TEST, RUN 26
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.69:
 ALPHA = 6.92:
 CLG = 0.56:



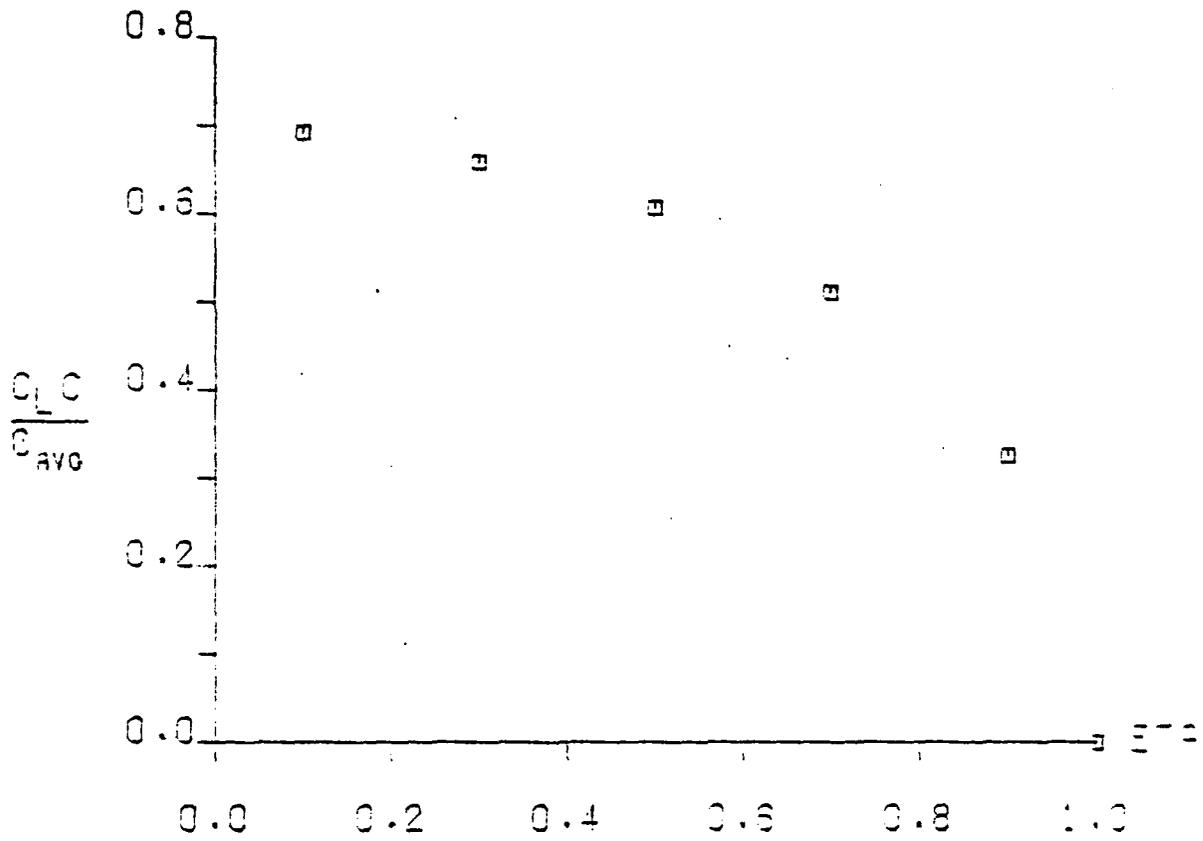
LOCKHEED CFWT SEMI-SPAN TEST, RUN 25
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.699
 ALPHA = 6.923
 CLG = 0.569



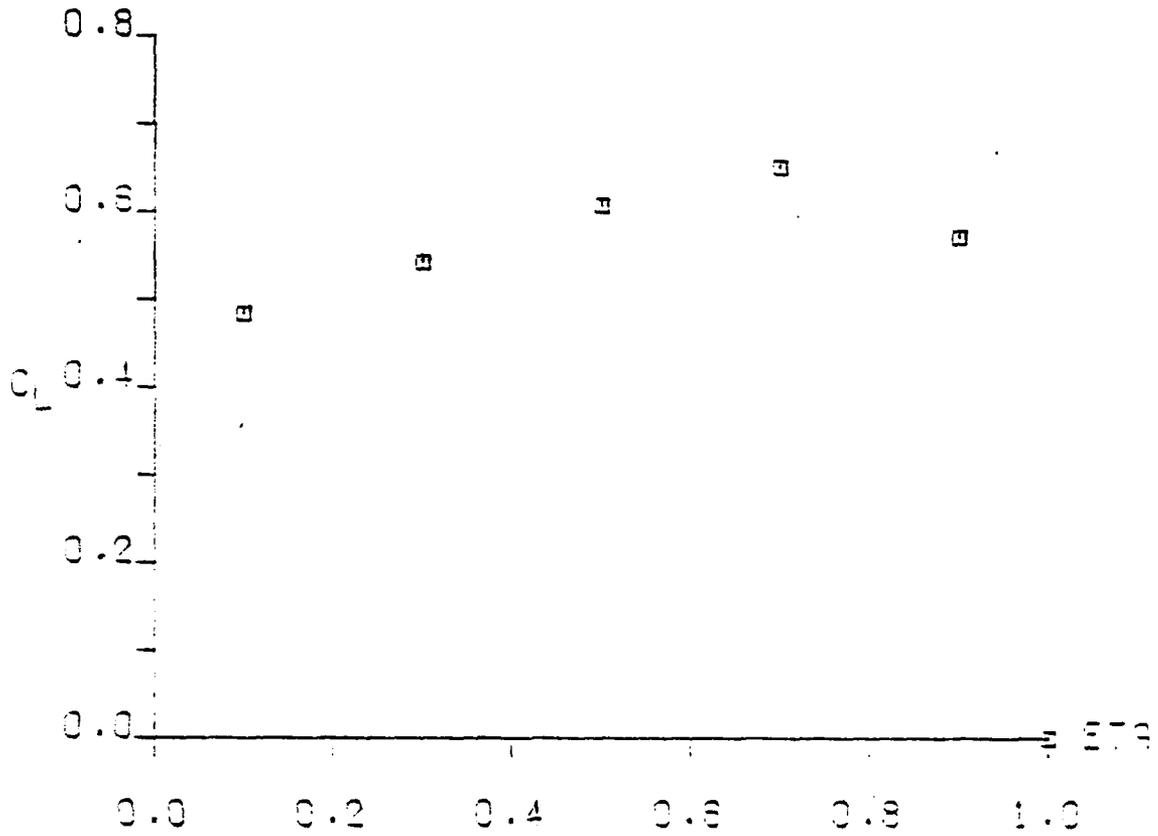
LOCKHEED CFWT SEMI-SPAN TEST, RUN 26
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.699
ALPHA = 6.923
CLG = 0.569



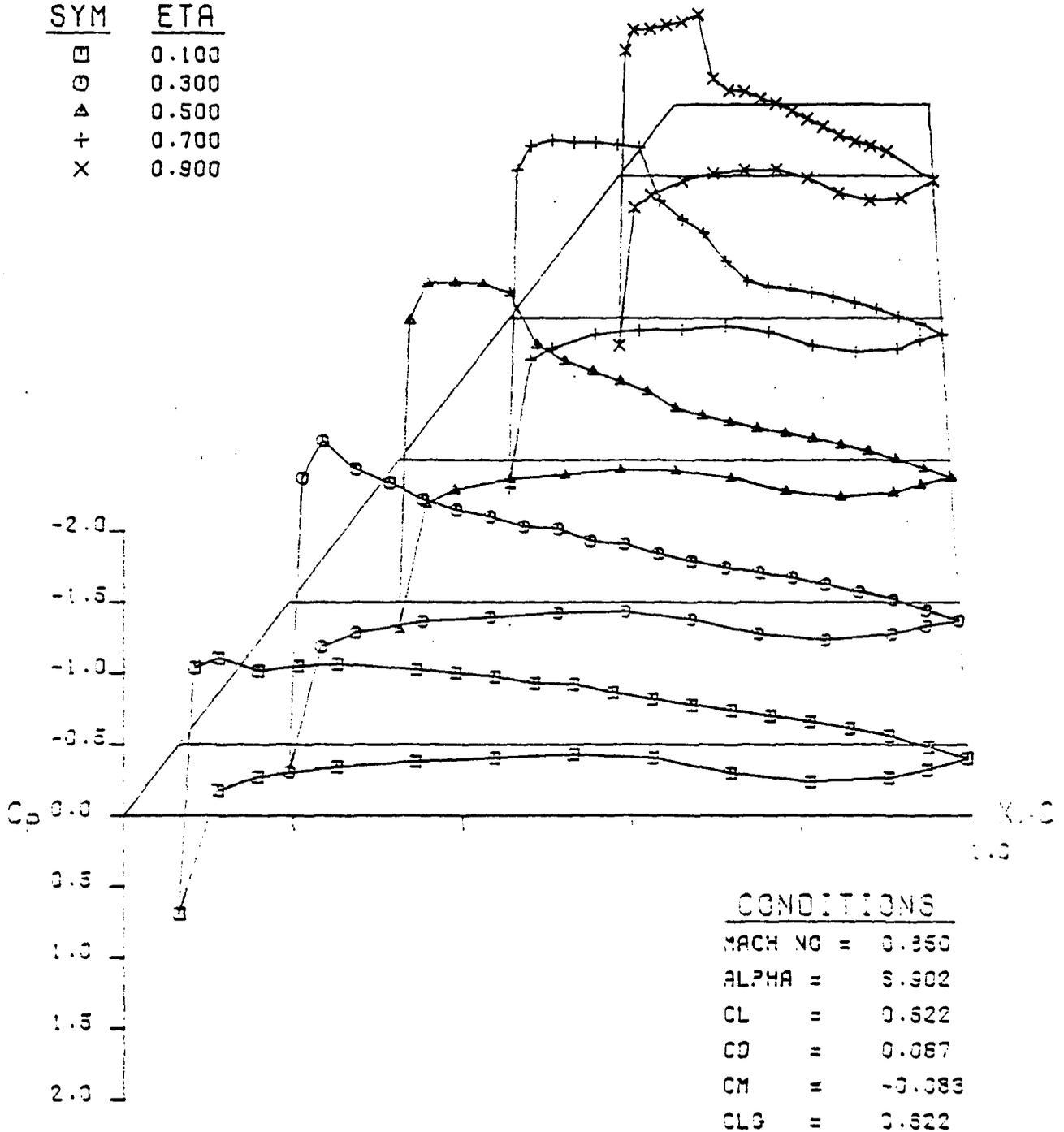
LOCKHEED CFWT SEMI-SPAN TEST, RUN 26
BASIC DATA
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.699
ALPHA = 6.923
CLG = 0.569



LOCKHEED CFWT SEMI-SPAN TEST, RUN 26
BASIC DATA
NUMERICALLY OPTIMIZED WING C

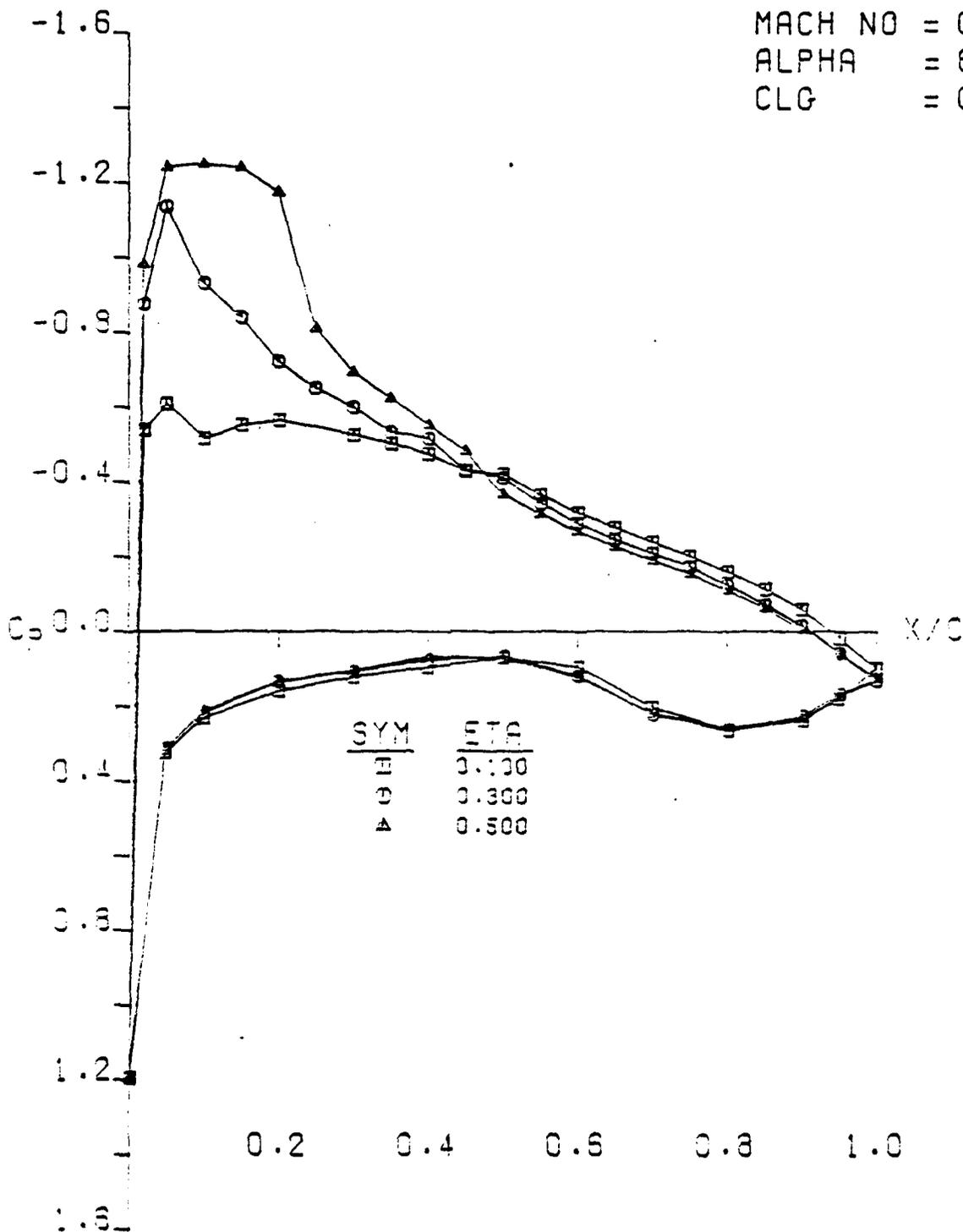
<u>SYM</u>	<u>ETA</u>
□	0.100
○	0.300
△	0.500
+	0.700
x	0.900



CONDITIONS

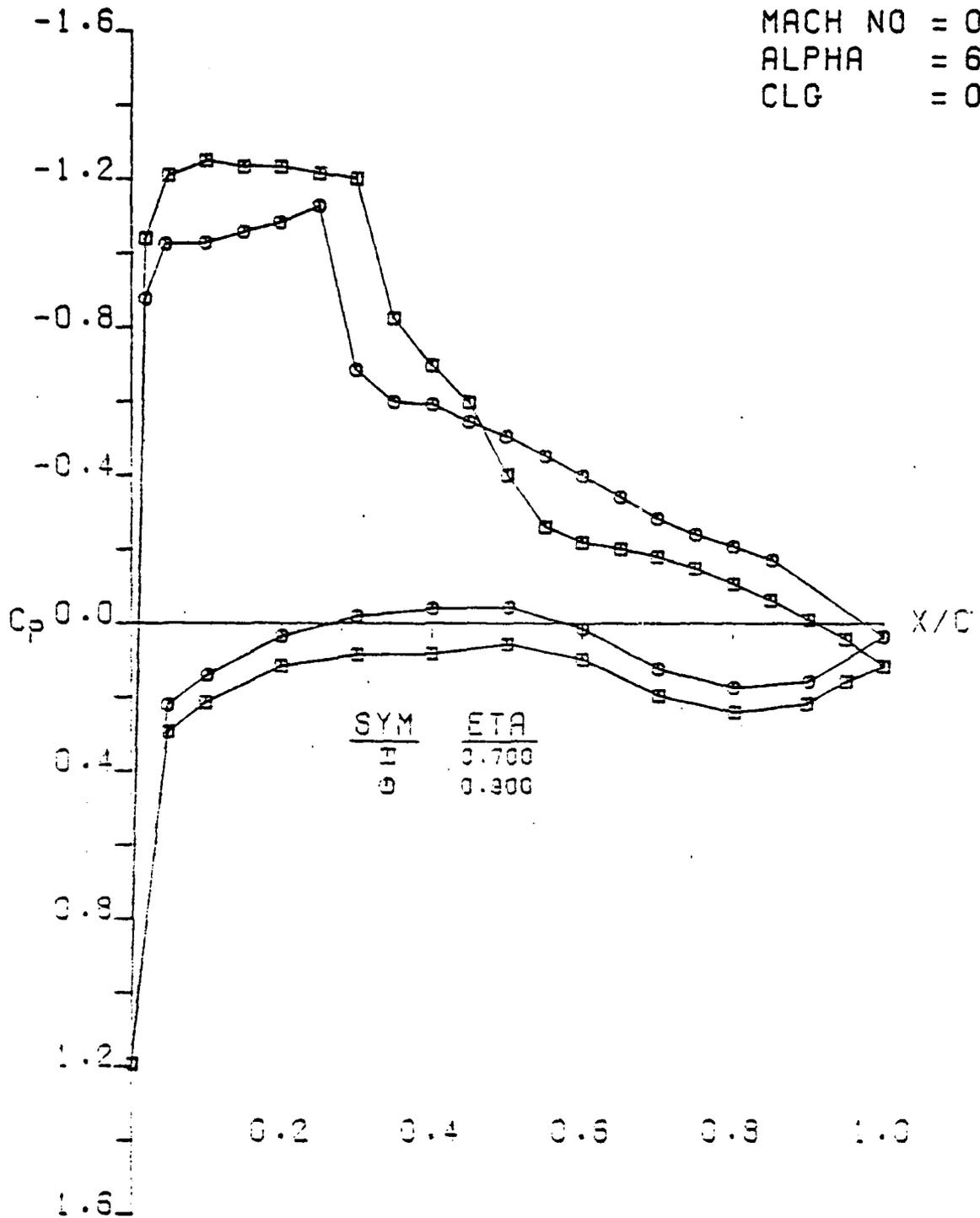
MACH NO = 0.350
 ALPHA = 8.902
 CL = 0.622
 CD = 0.067
 CM = -0.088
 CLG = 0.622

LOCKHEED CFWT SEMI-SPAN TEST, RUN 44
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C



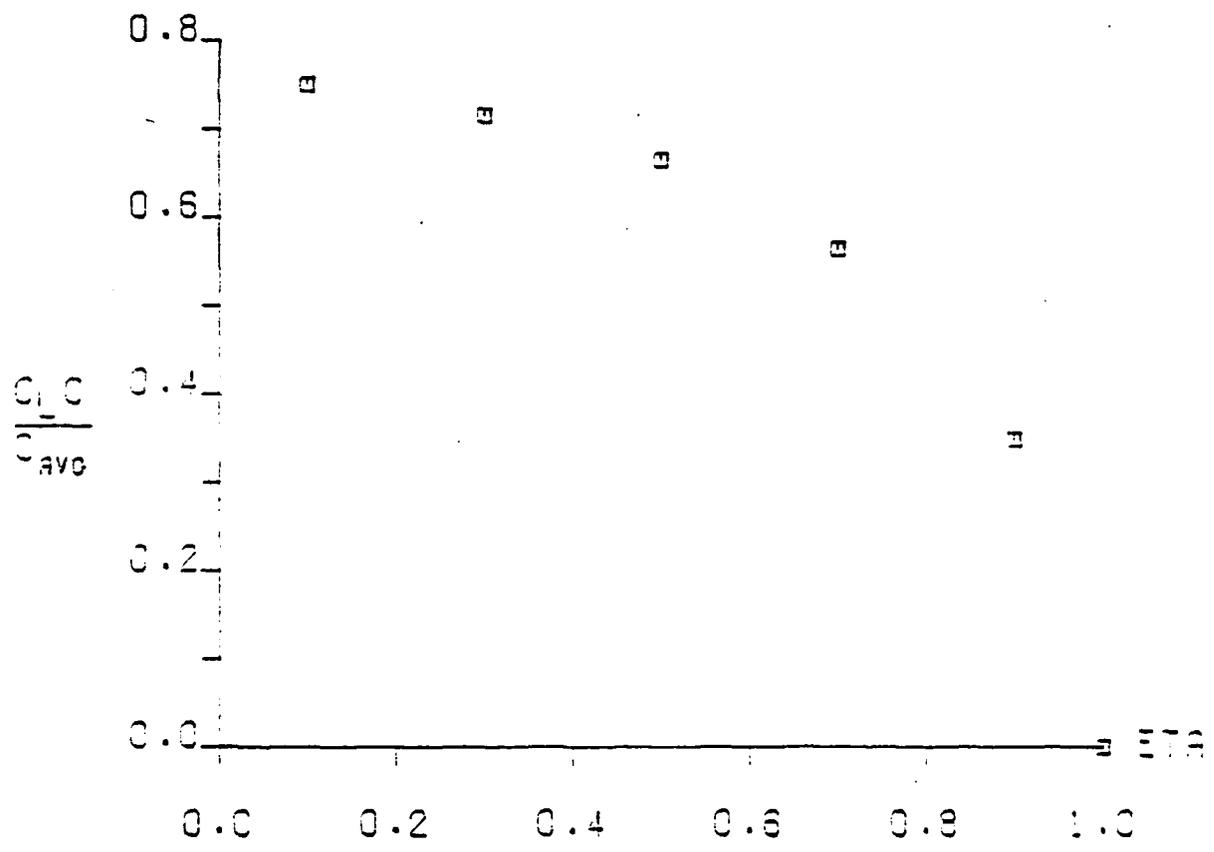
LOCKHEED CPWT SEMI-SPAN TEST, RUN 44
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C
 566

MACH NO = 0.850
 ALPHA = 6.902
 CLG = 0.622



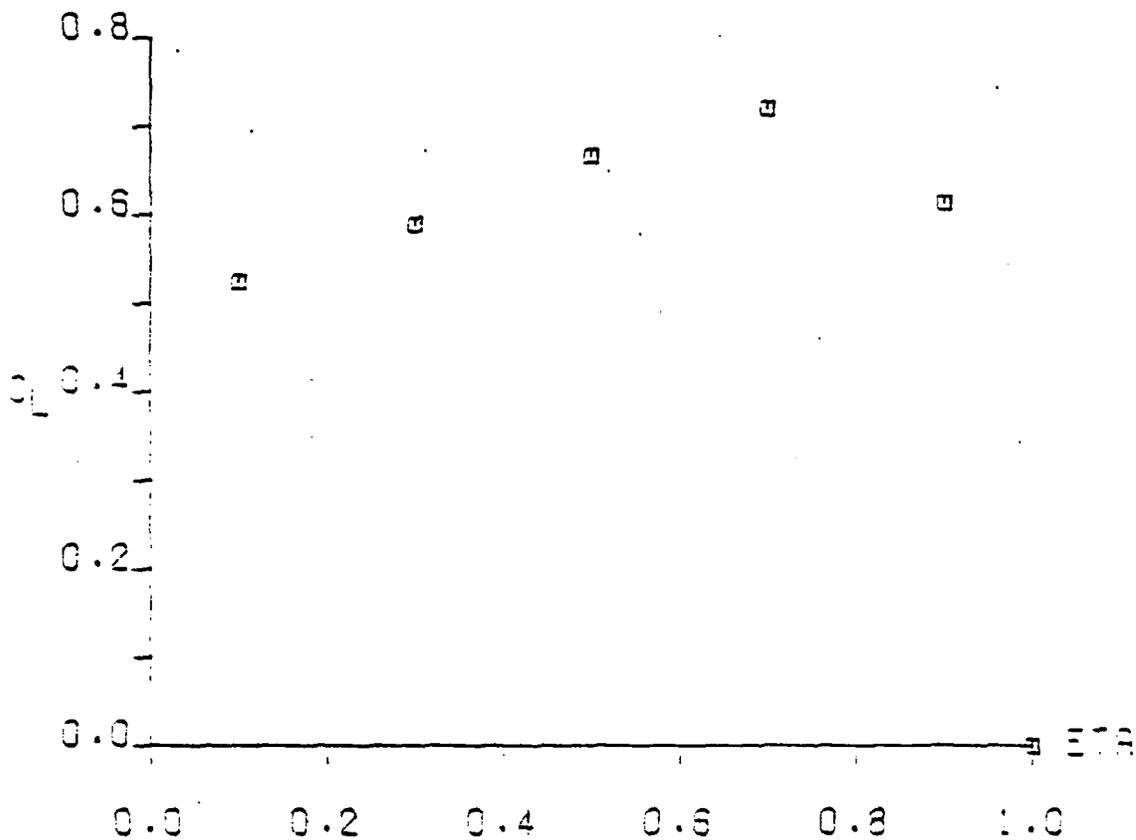
LOCKHEED CFWT SEMI-SPAN TEST, RUN 44
 BASIC DATA
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.850
ALPHA = 6.902
CLG = 0.622



LOCKHEED CFWT SEMI-SPAN TEST, RUN 44
BASIC DATA
NUMERICALLY OPTIMIZED WING C
568

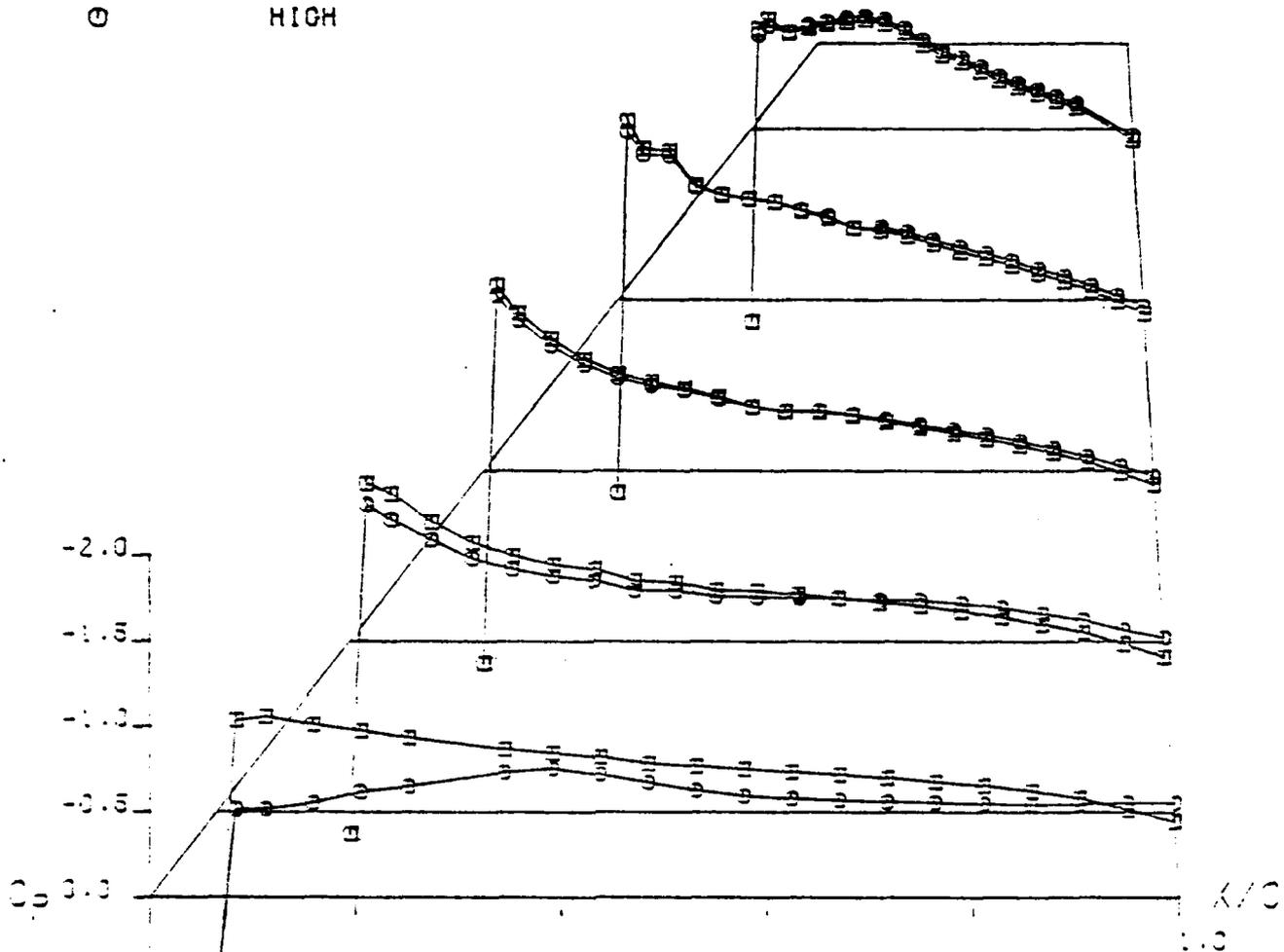
MACH NO = 0.850
ALPHA = 6.902
CLG = 0.622



LOCKHEED CFWT SEMI-SPAN TEST, RUN 44
BASIC DATA
NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

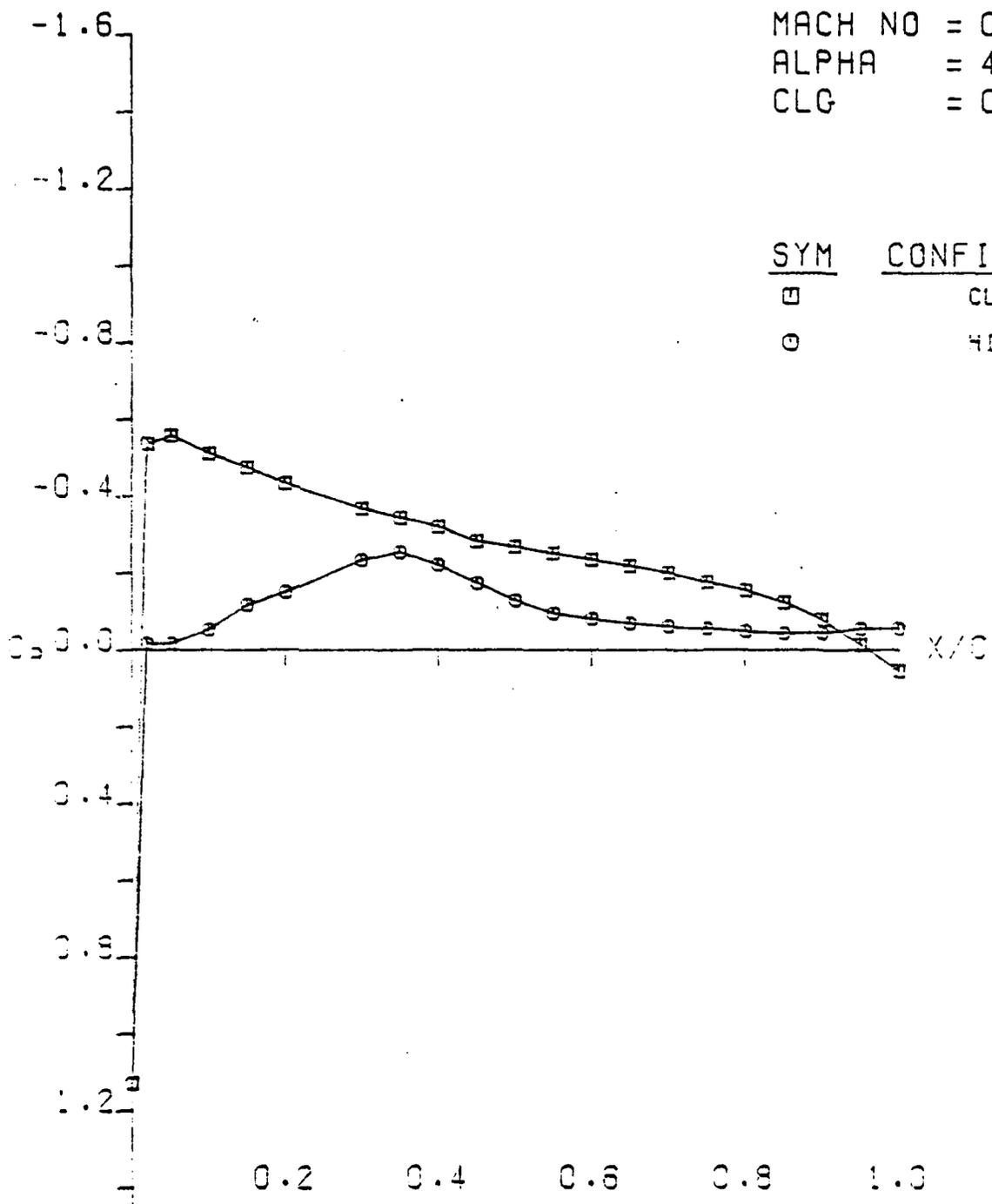
□ CLEAN
 ○ HIGH



LOCKHEED CPWT SEMI-SPAN TEST, RUN 24
 CLN VS HIGH (UPR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

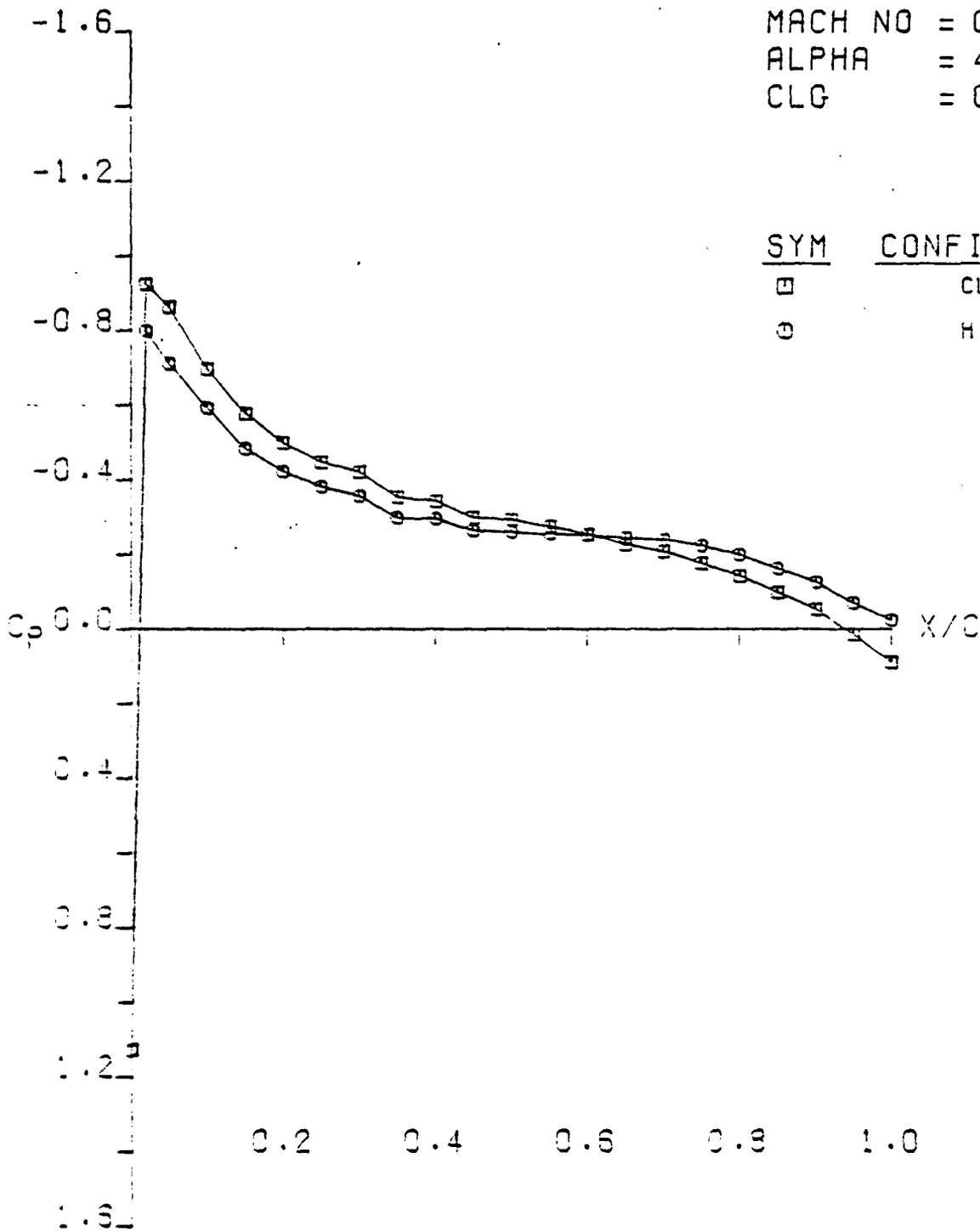
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CPWT SEMI-SPAN TEST, RUN 24
 CLN VS HIGH (UPR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

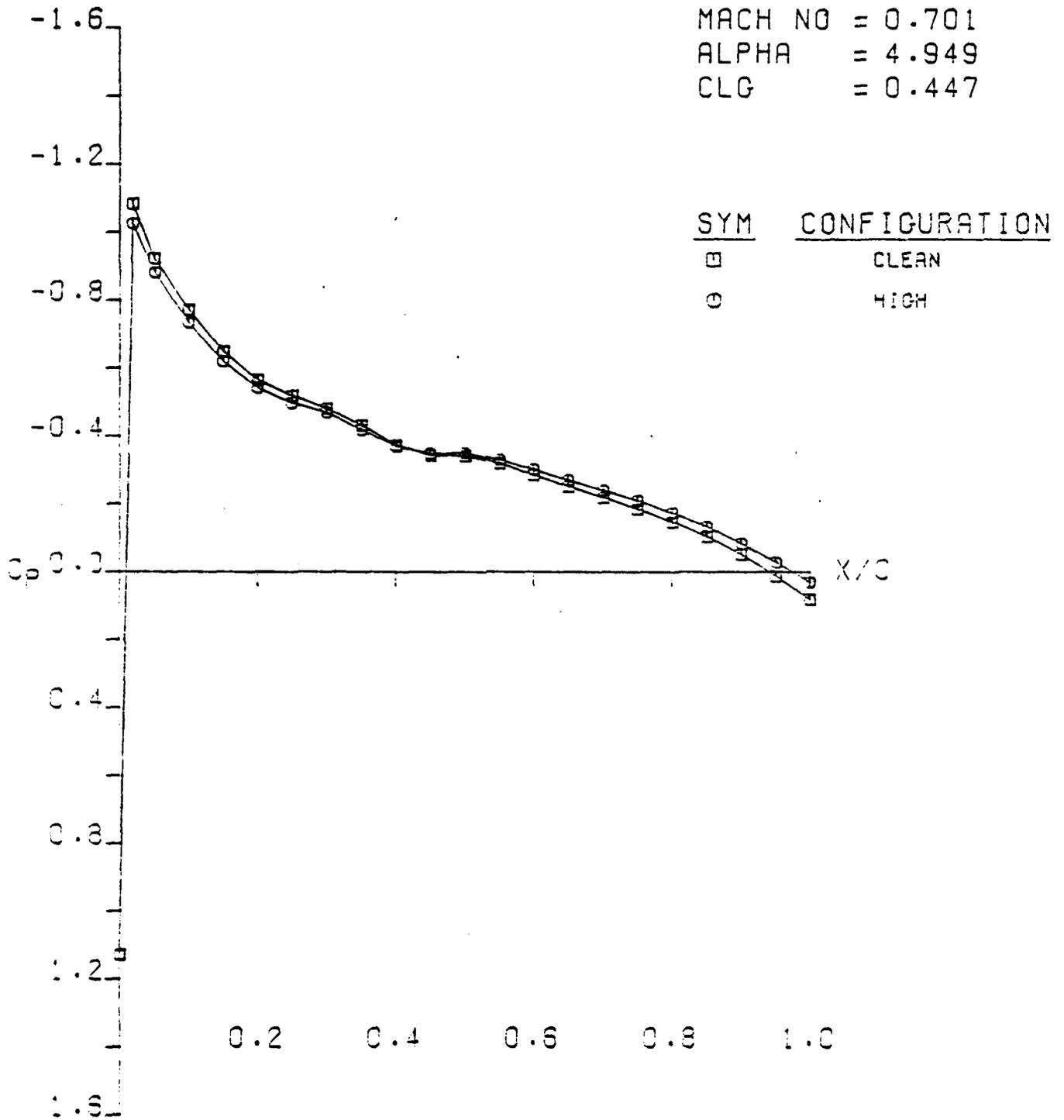
MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

SYM	CONFIGURATION
□	CLEAN
○	HIGH



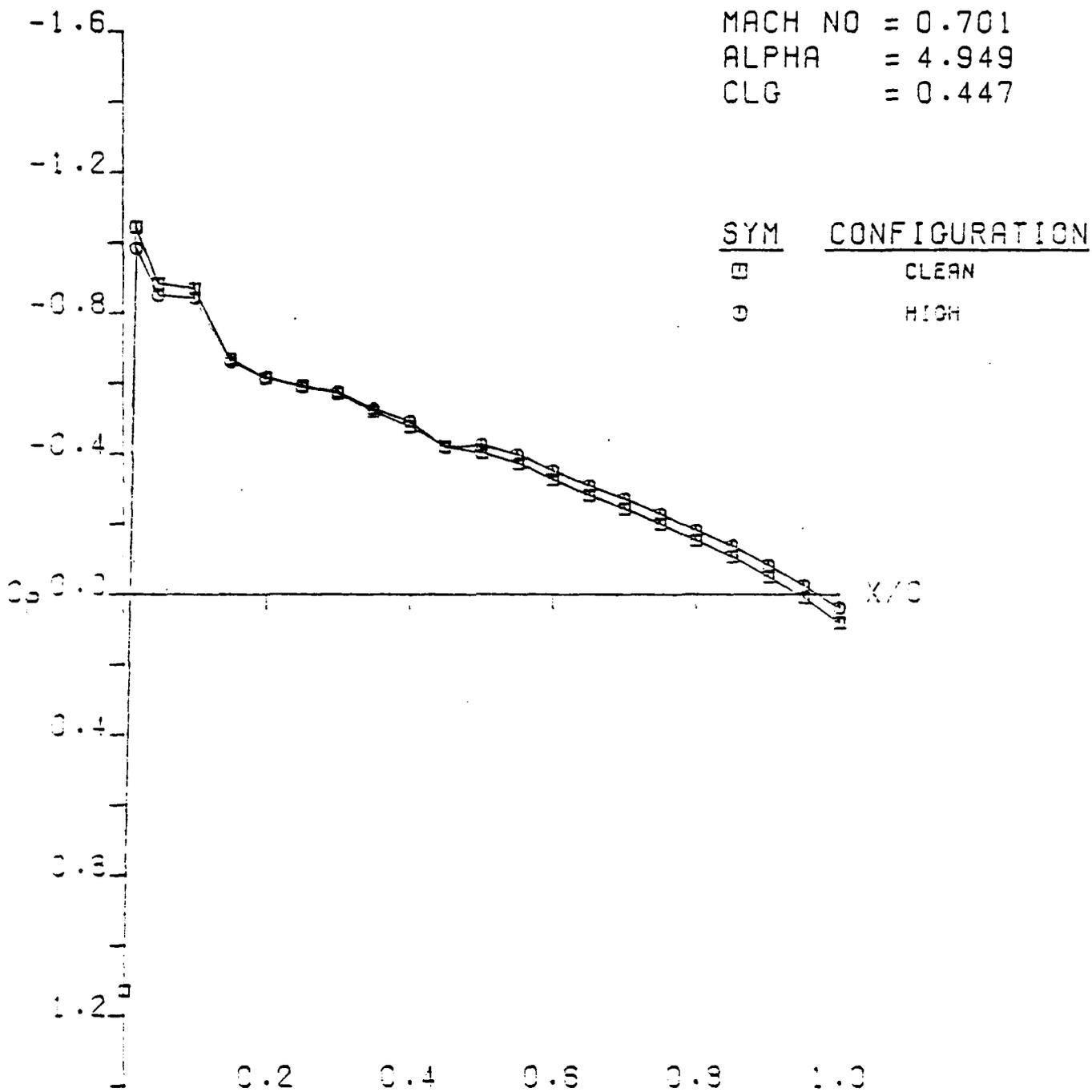
LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS HIGH (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
ALPHA = 4.949
CLG = 0.447

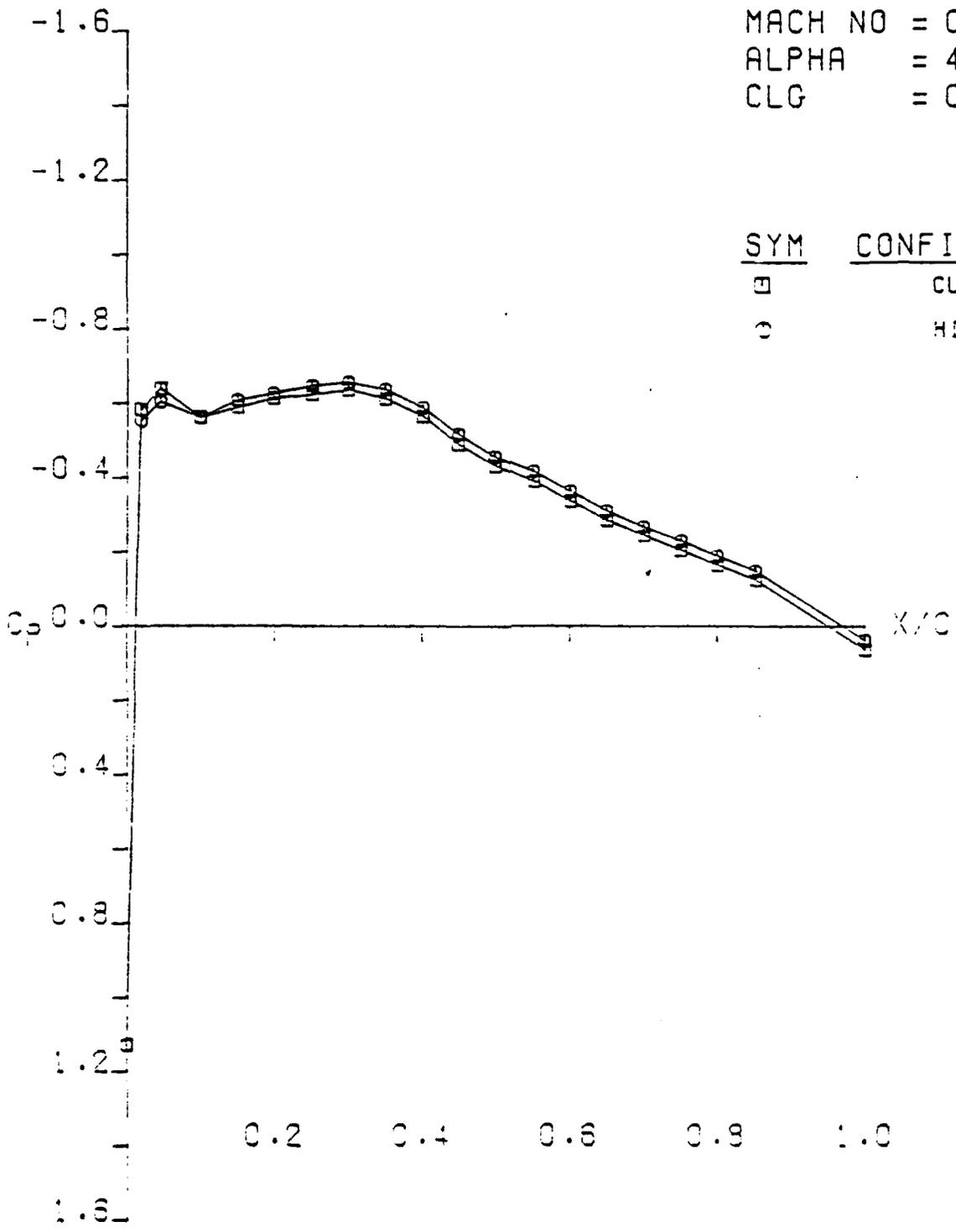


LOCKHEED CPWT SEMI-SPAN TEST, RUN 24
CLN VS HIGH (UPR SURF $\epsilon_{TA} = .50$)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
ALPHA = 4.949
CLG = 0.447



LOCKHEED CPWT SEMI-SPAN TEST, RUN 24
CLN VS HIGH (UPR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C



MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

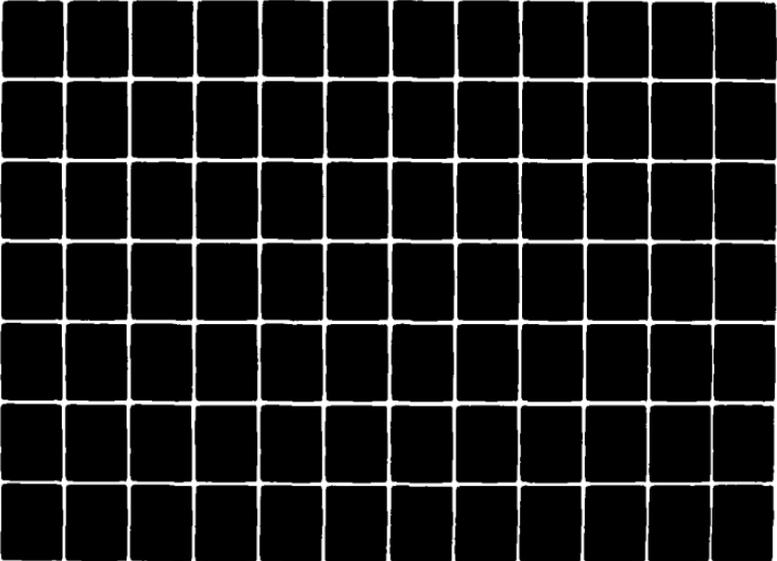
LOCKHEED CPWT SEMI-SPAN TEST, RUN 24
 CLN VS HIGH (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

AD-A085 259

LOCKHEED-GEORGIA CO MARIETTA F/G 20/R
ACQUISITION AND APPLICATION OF TRANSONIC WING AND FAR-FIELD TEST--ETC(U)
MAR 80 B L HINSON; K P BURDSES F49620-78-C-0068
L680ER0012-VOL-2 AFOSR-TR-80-0422-VOL-2-APP NL

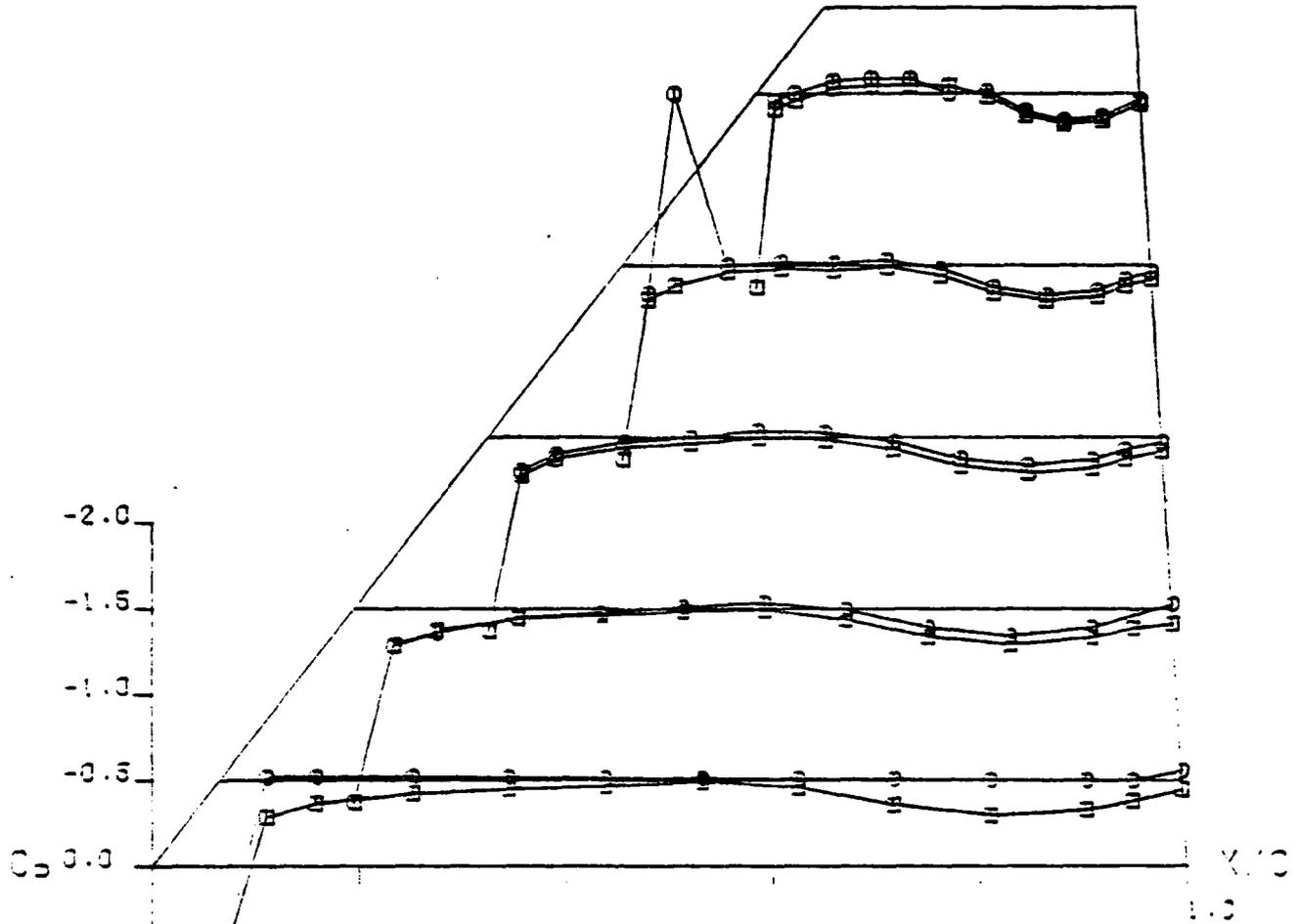
UNCLASSIFIED

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AD
Accession



SYM CONFIGURATION

□ CLEAN
 ○ HIGH



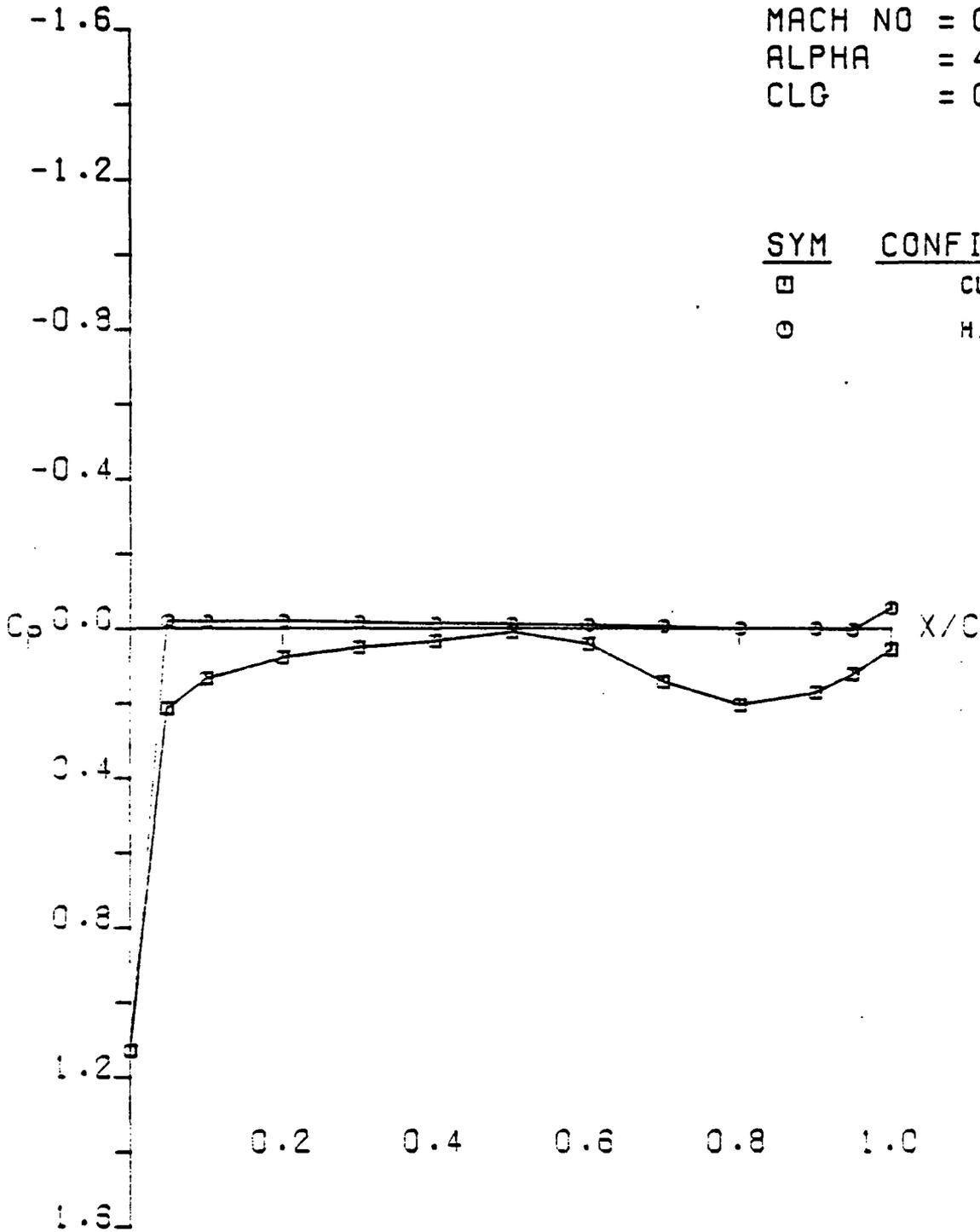
CONDITIONS

MACH NO = 0.701
 ALPHA = 4.949
 CL = 0.447
 CD = 0.037
 CM = -0.066
 CLG = 0.447

LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS HIGH (LWR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

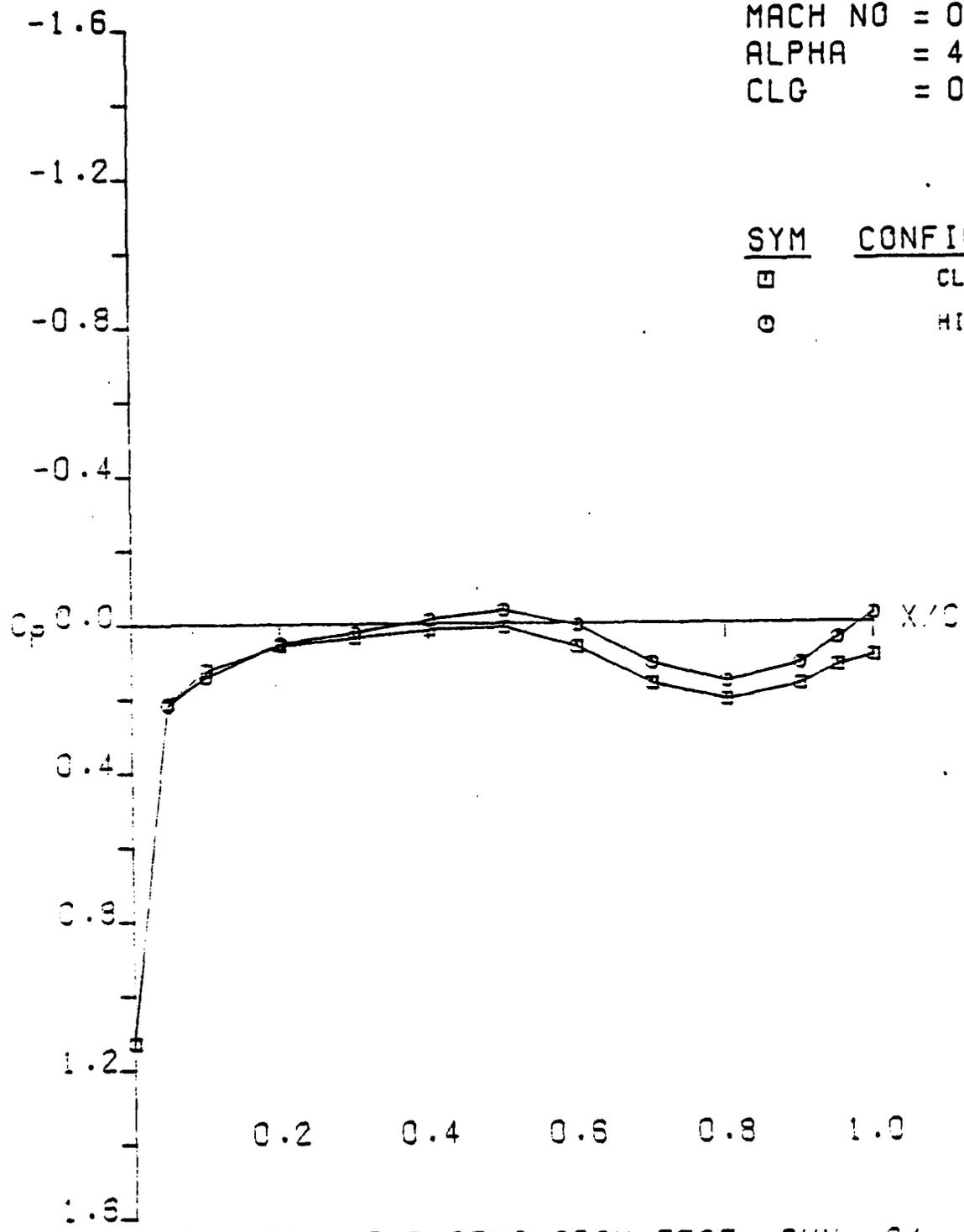
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CPWT SEMI-SPAN TEST, RUN 24
 CLN VS HIGH (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

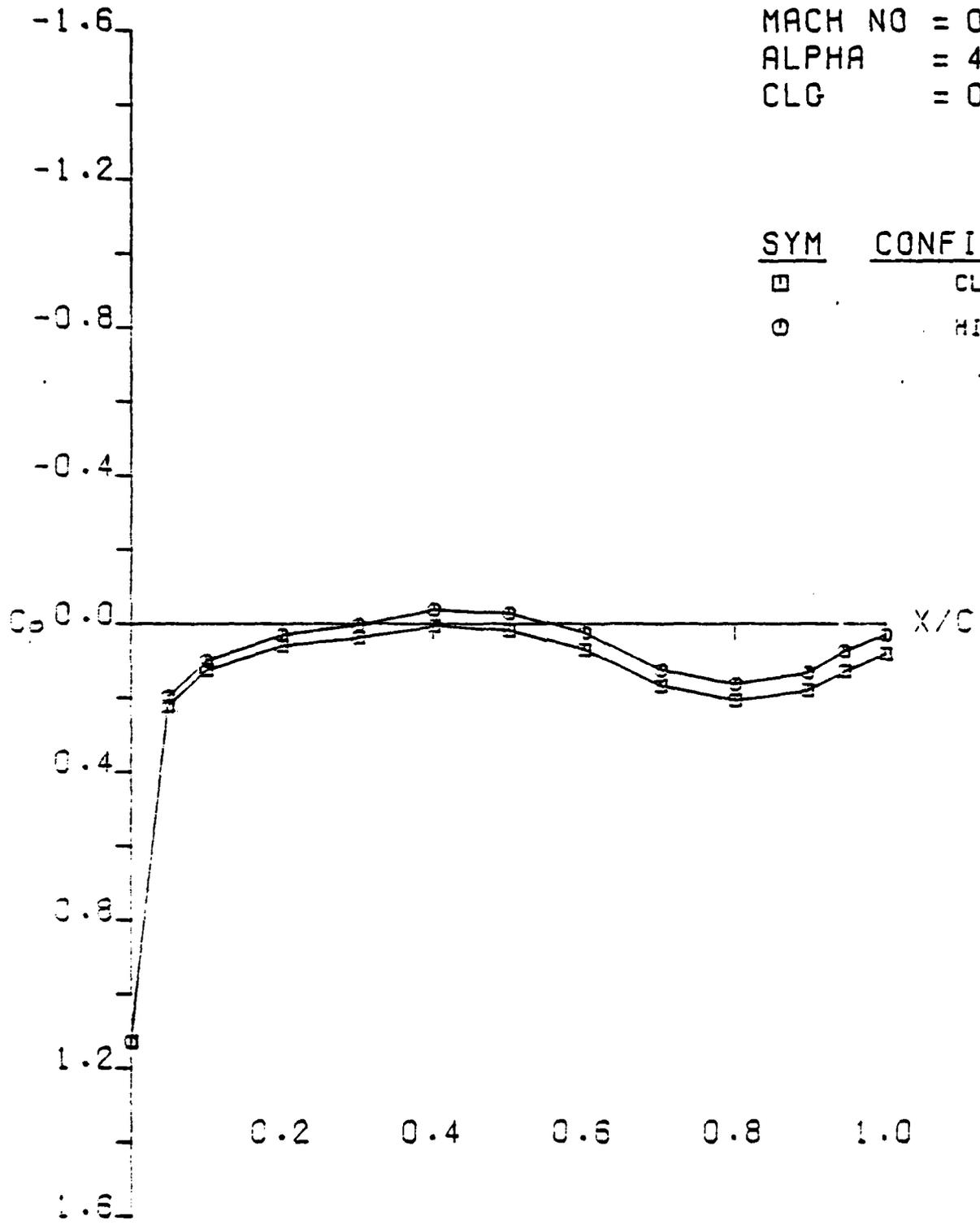
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



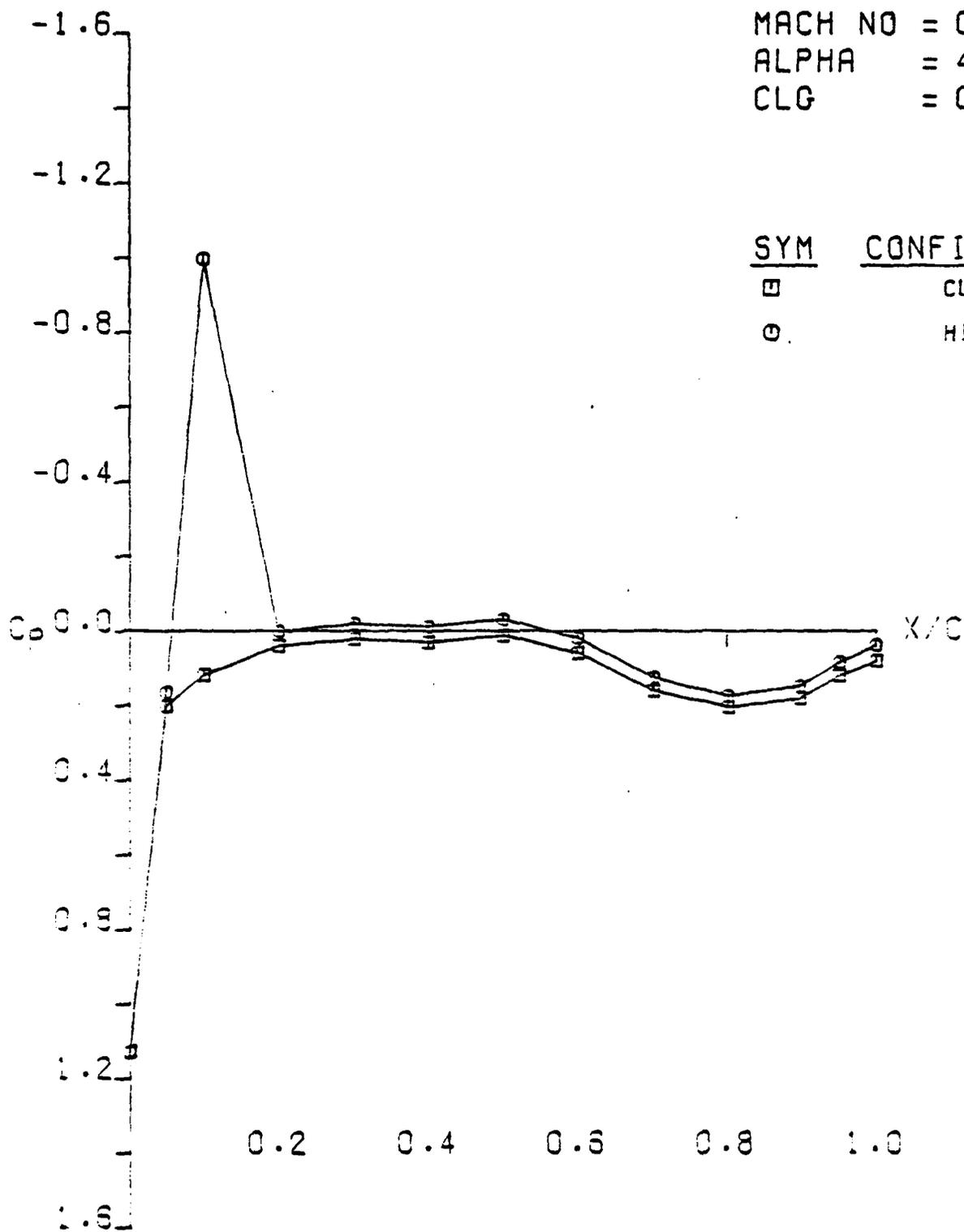
LOCKHEED CPWT SEMI-SPAN TEST. RUN 24
 CLN VS HIGH (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

SYM	CONFIGURATION
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS HIGH (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



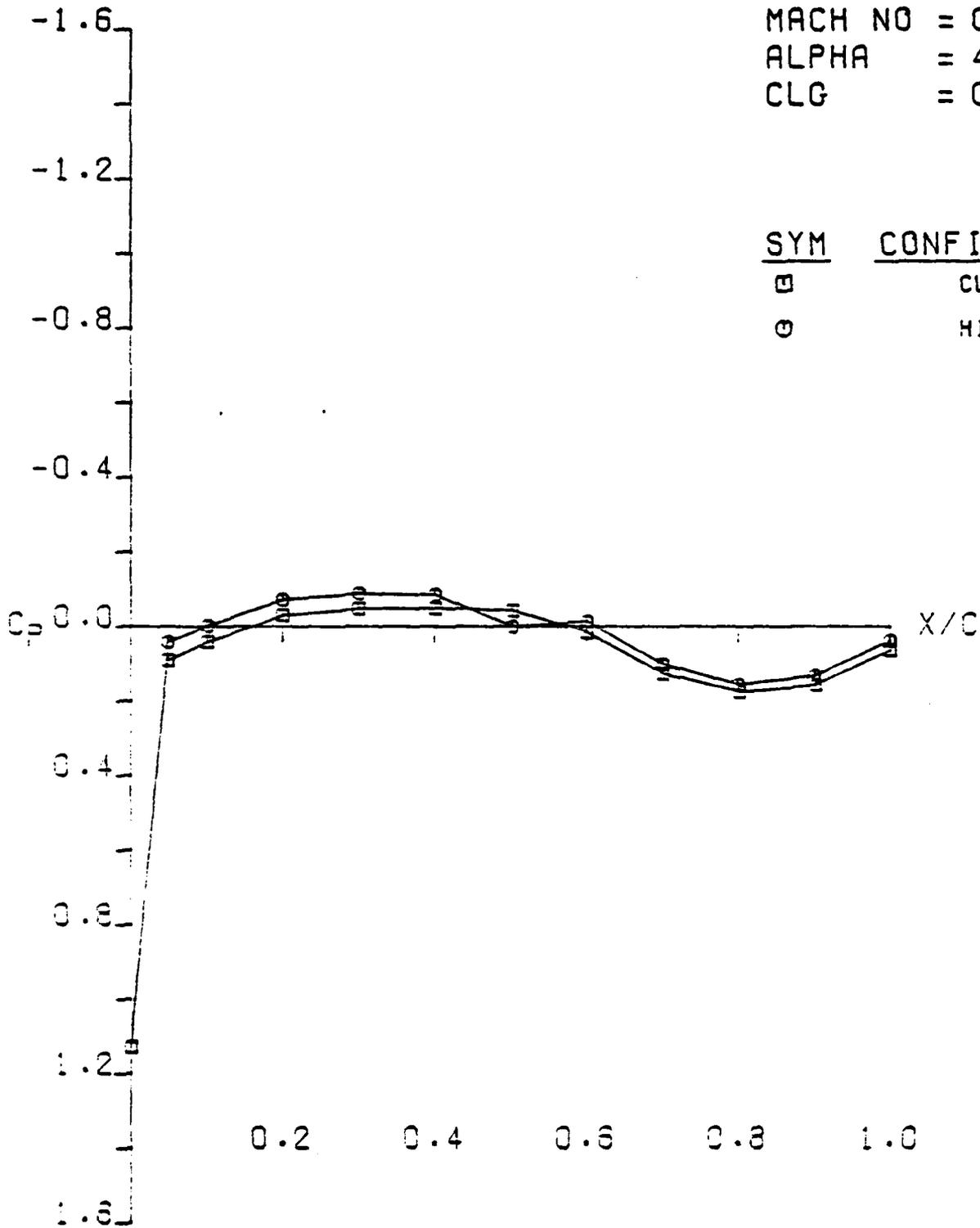
MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

SYM	CONFIGURATION
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS HIGH (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

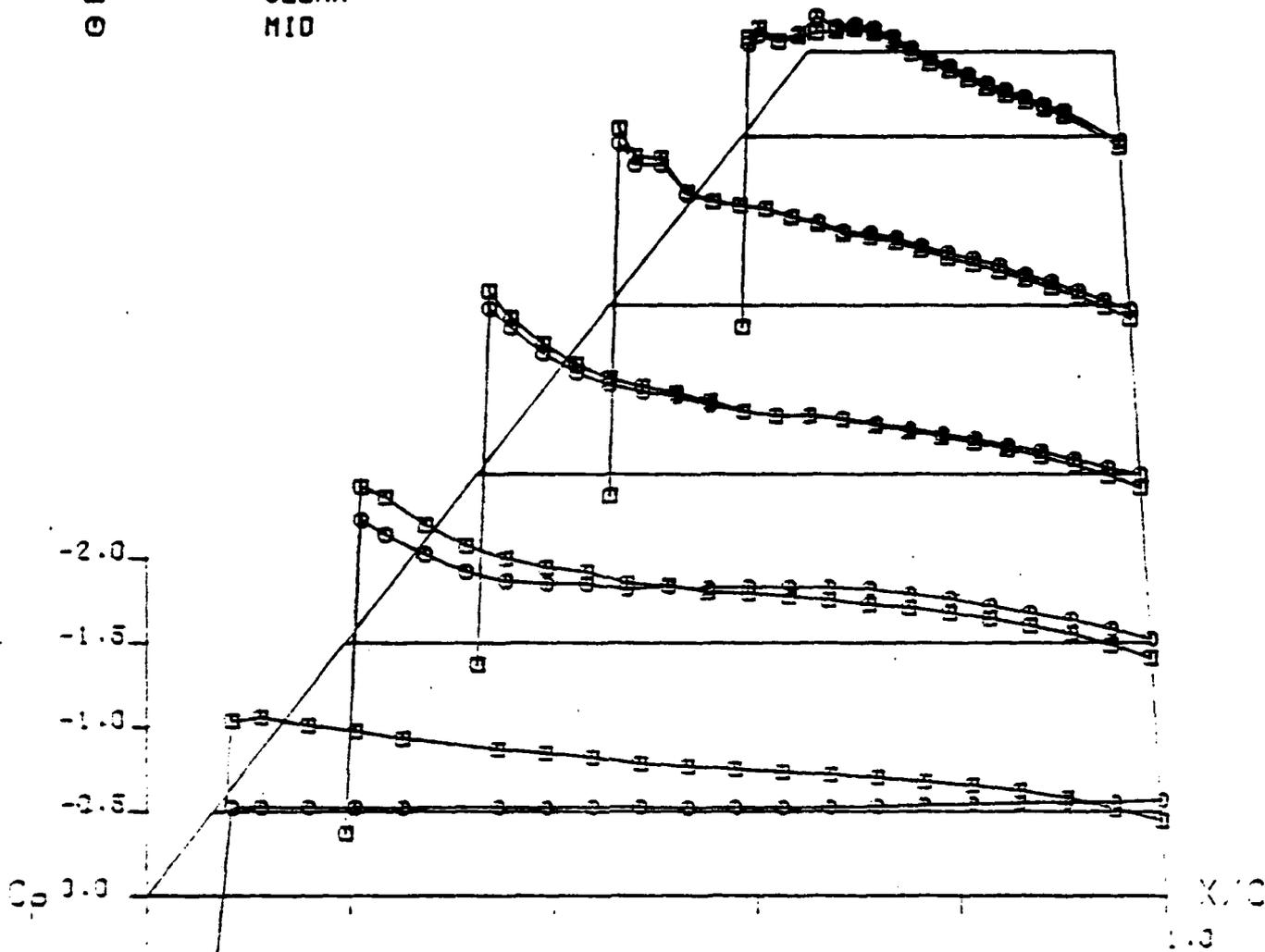


LOCKHEED CPWT SEMI-SPAN TEST, RUN 24
 CLN VS HIGH (LWR SURF ETR .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

CLEAN
MID



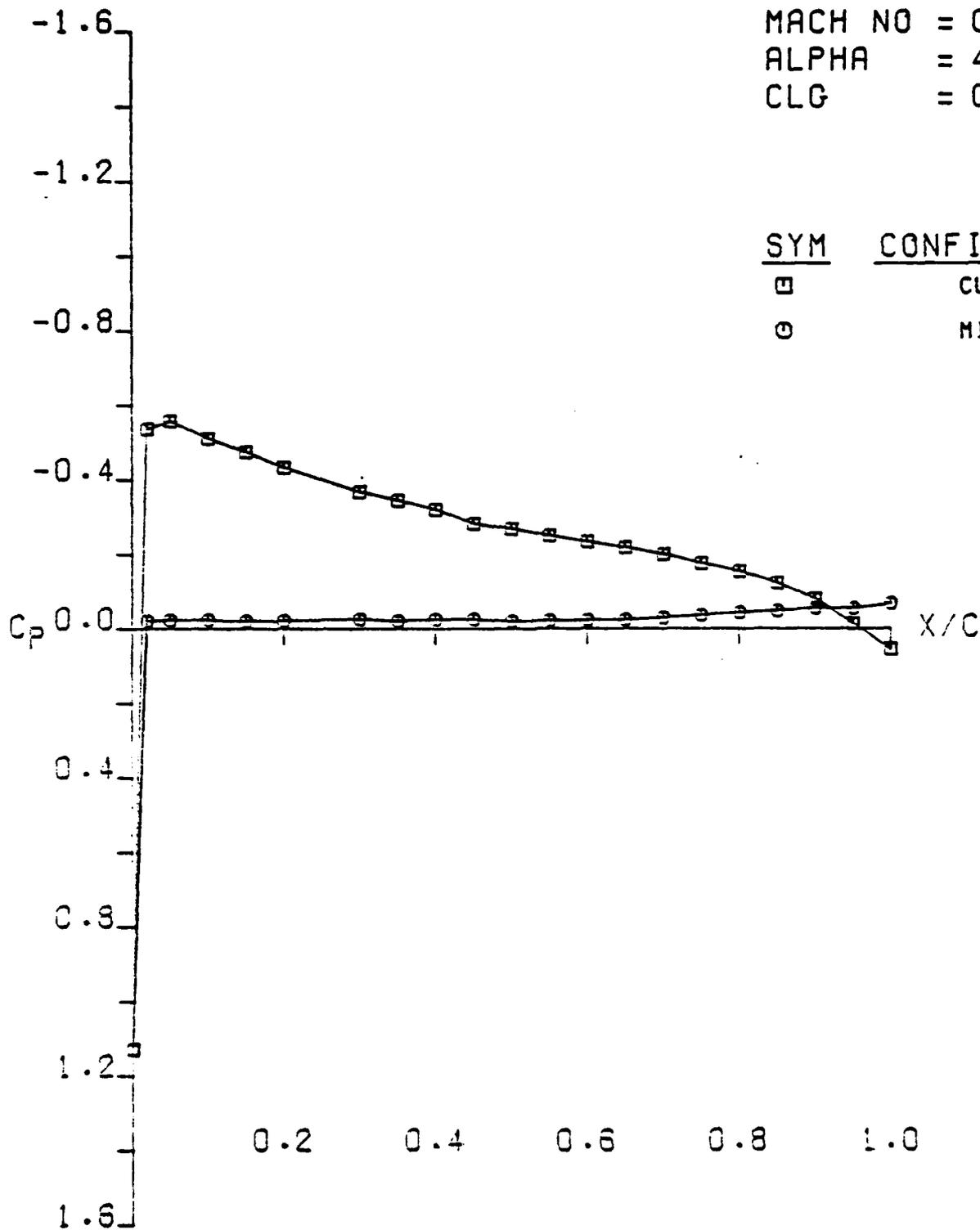
CONDITIONS

MACH NO = 0.701
 ALPHA = 4.343
 CL = 0.447
 CD = 0.337
 CM = -0.065
 CLG = 0.447

LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (UPR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

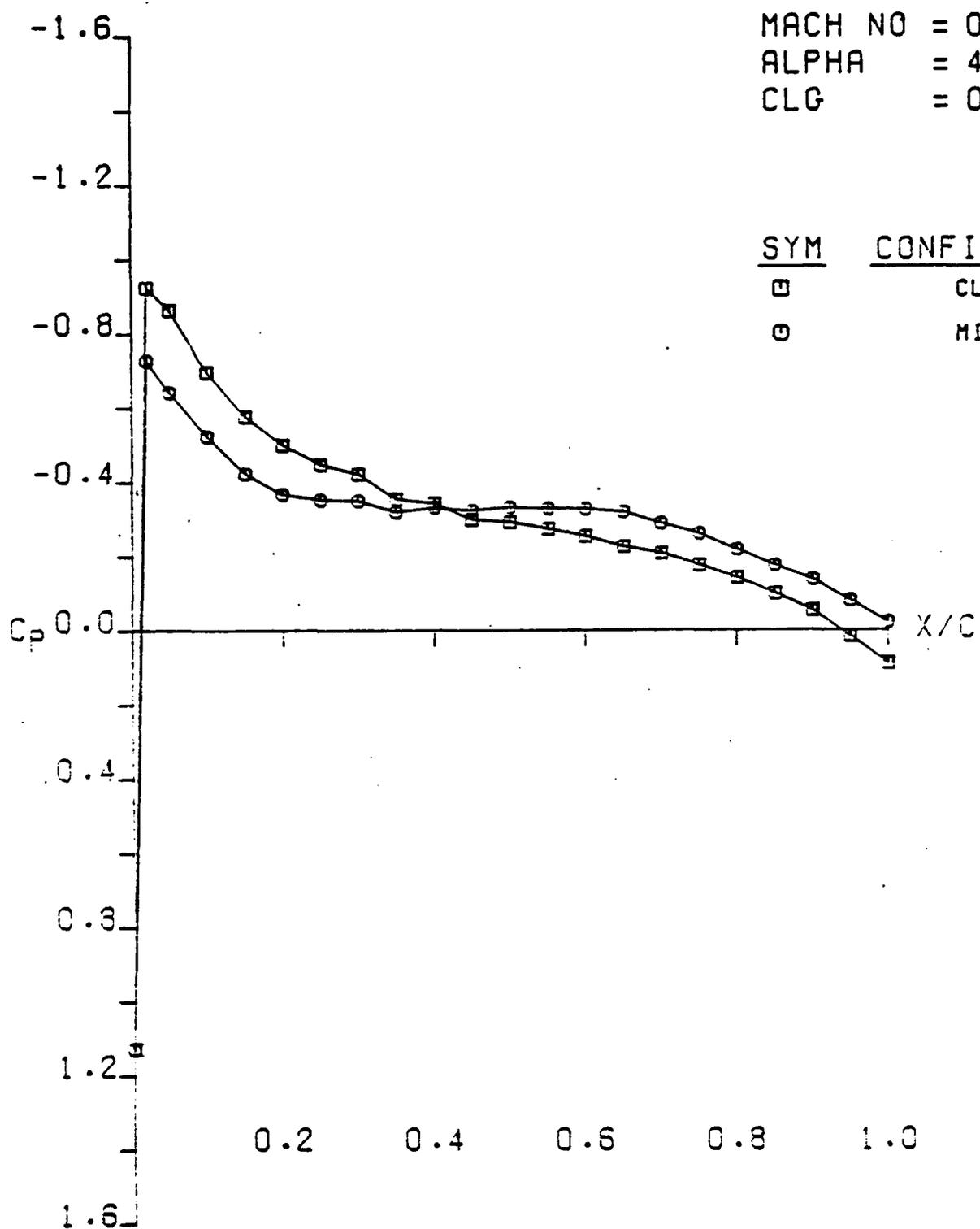
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (UPR SURF STA .10)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

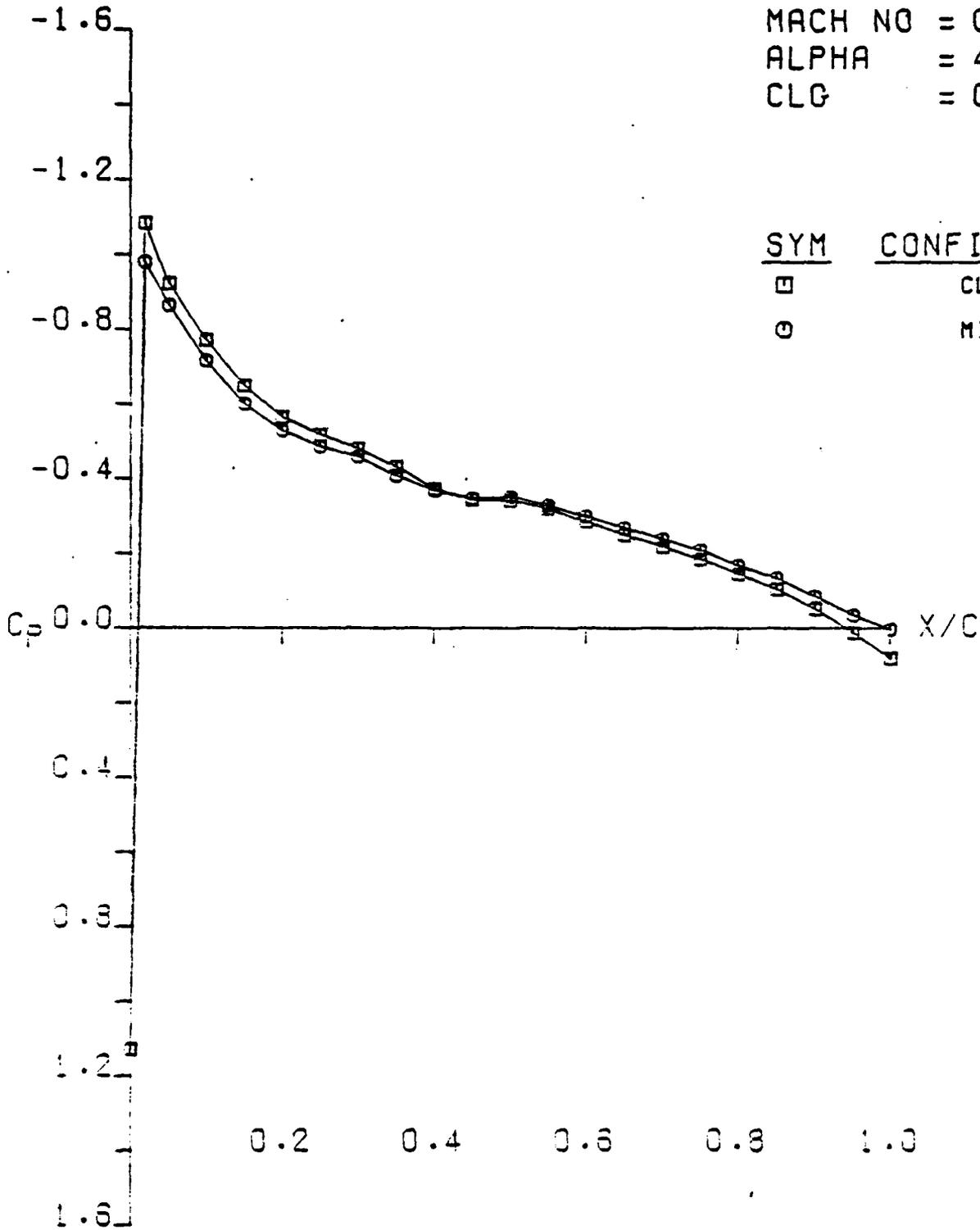
SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

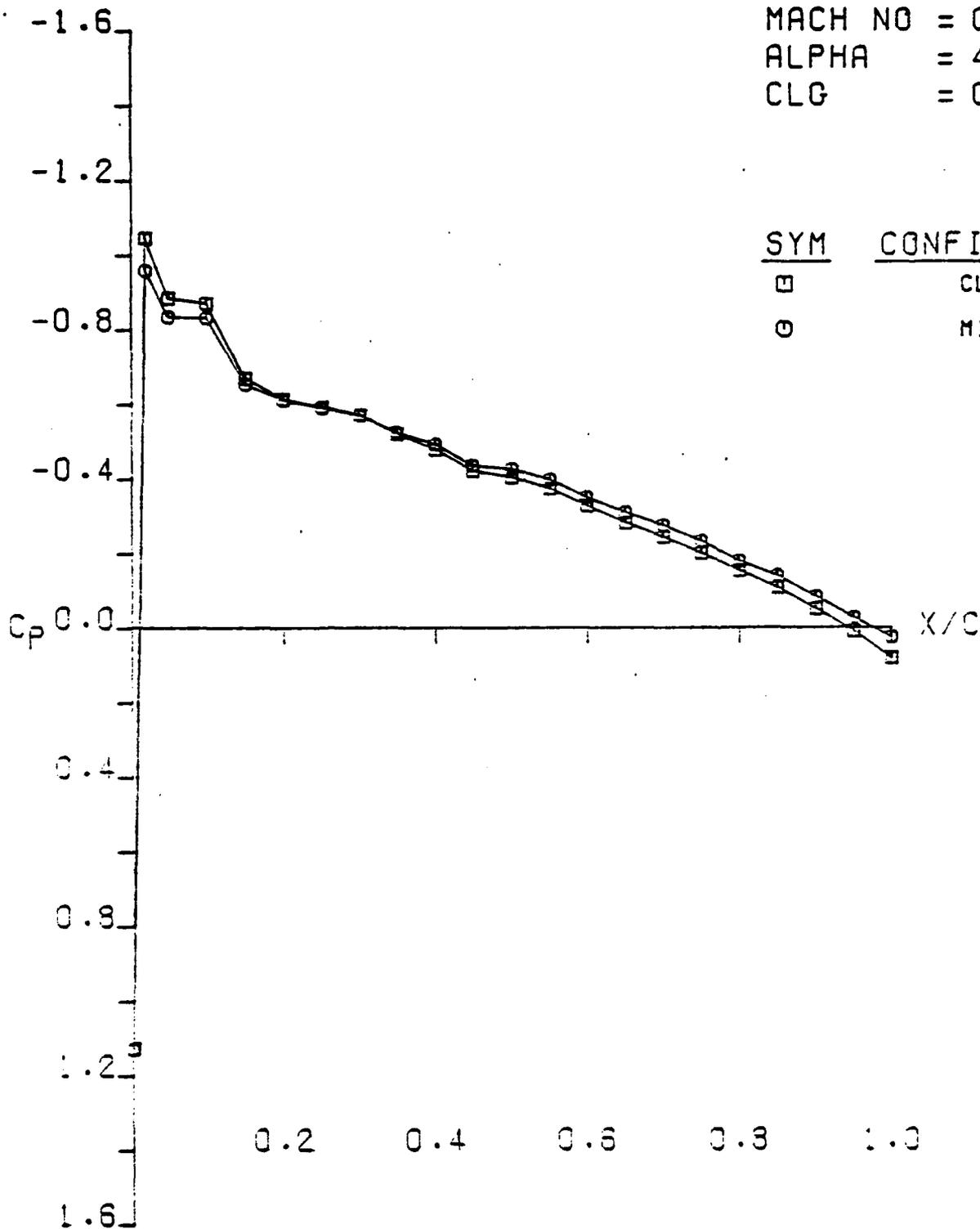
SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

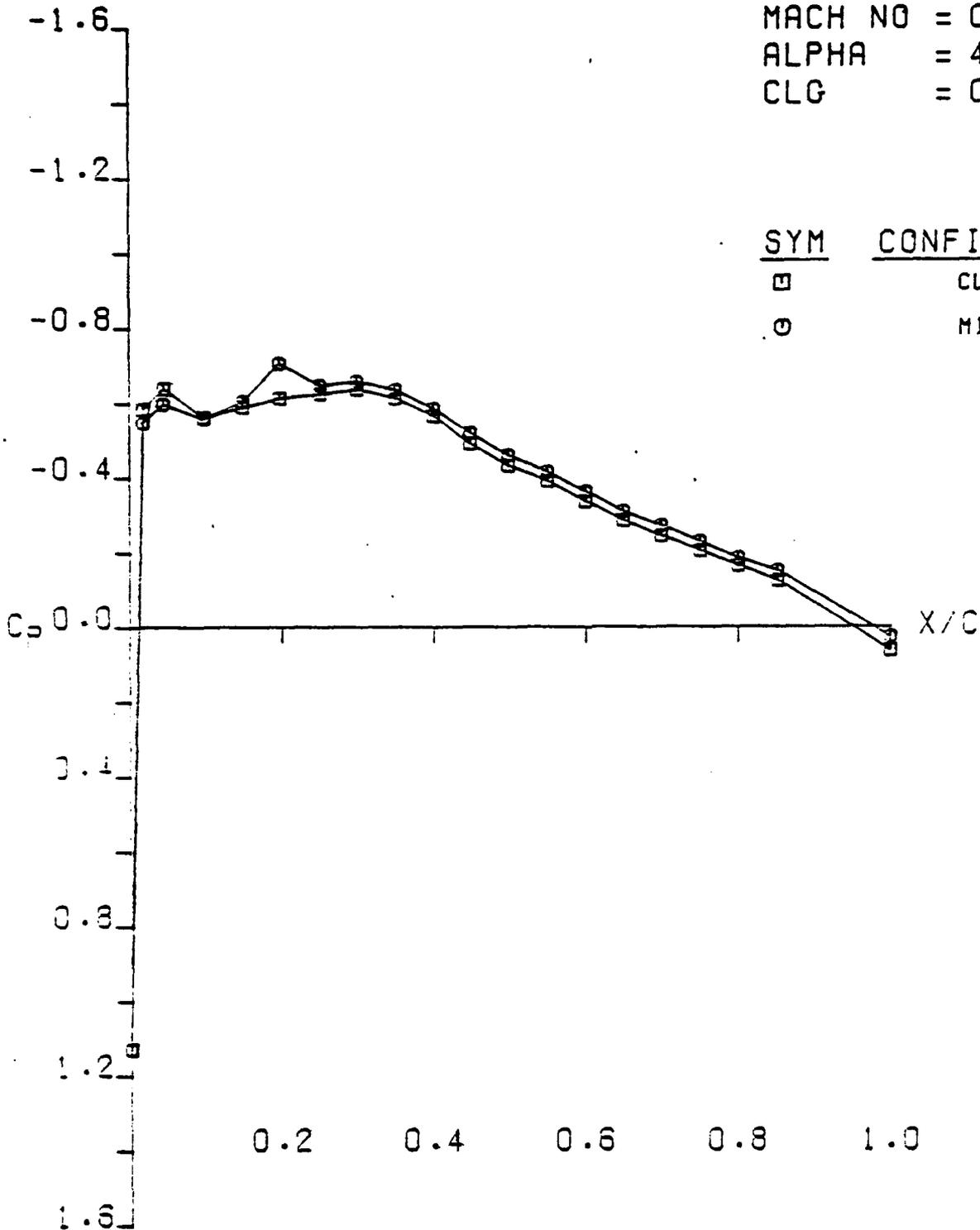
SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CPWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (UPR SURF ETR .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

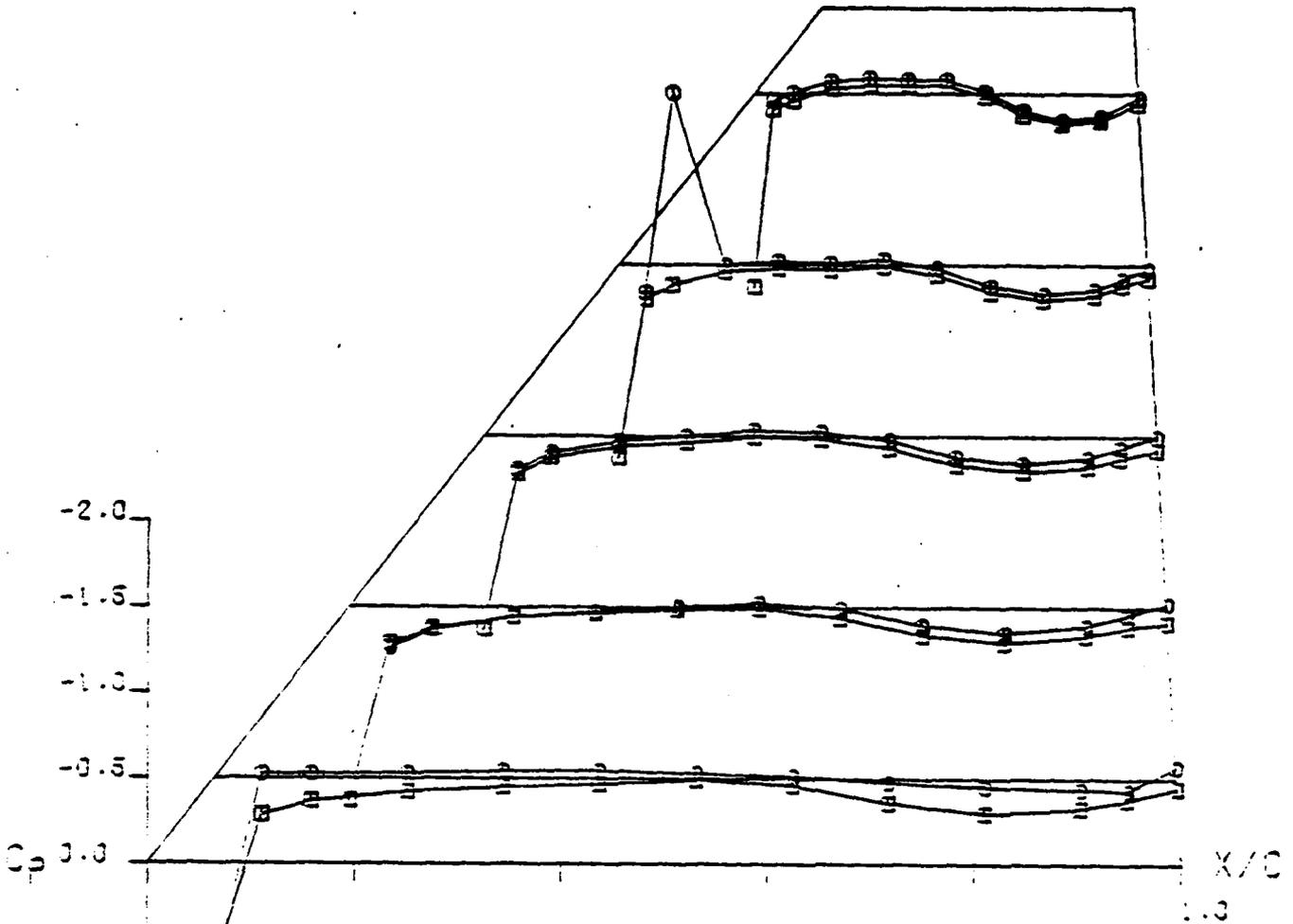
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□ CLEAN
 ○ MID



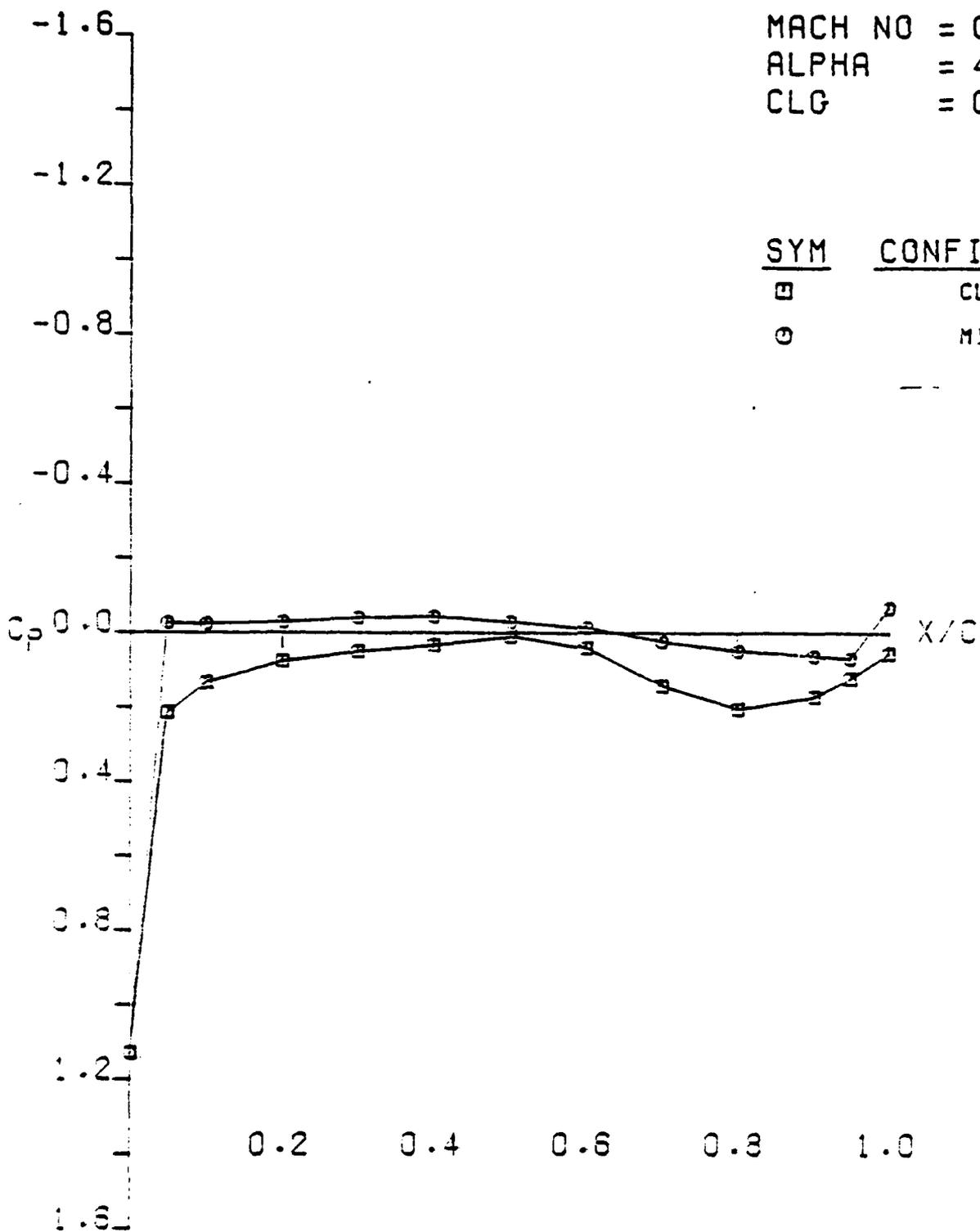
CONDITIONS

MACH NO = 0.701
 ALPHA = 4.349
 CL = 0.447
 CD = 0.037
 CM = -0.065
 CLG = 0.447

LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (LWR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

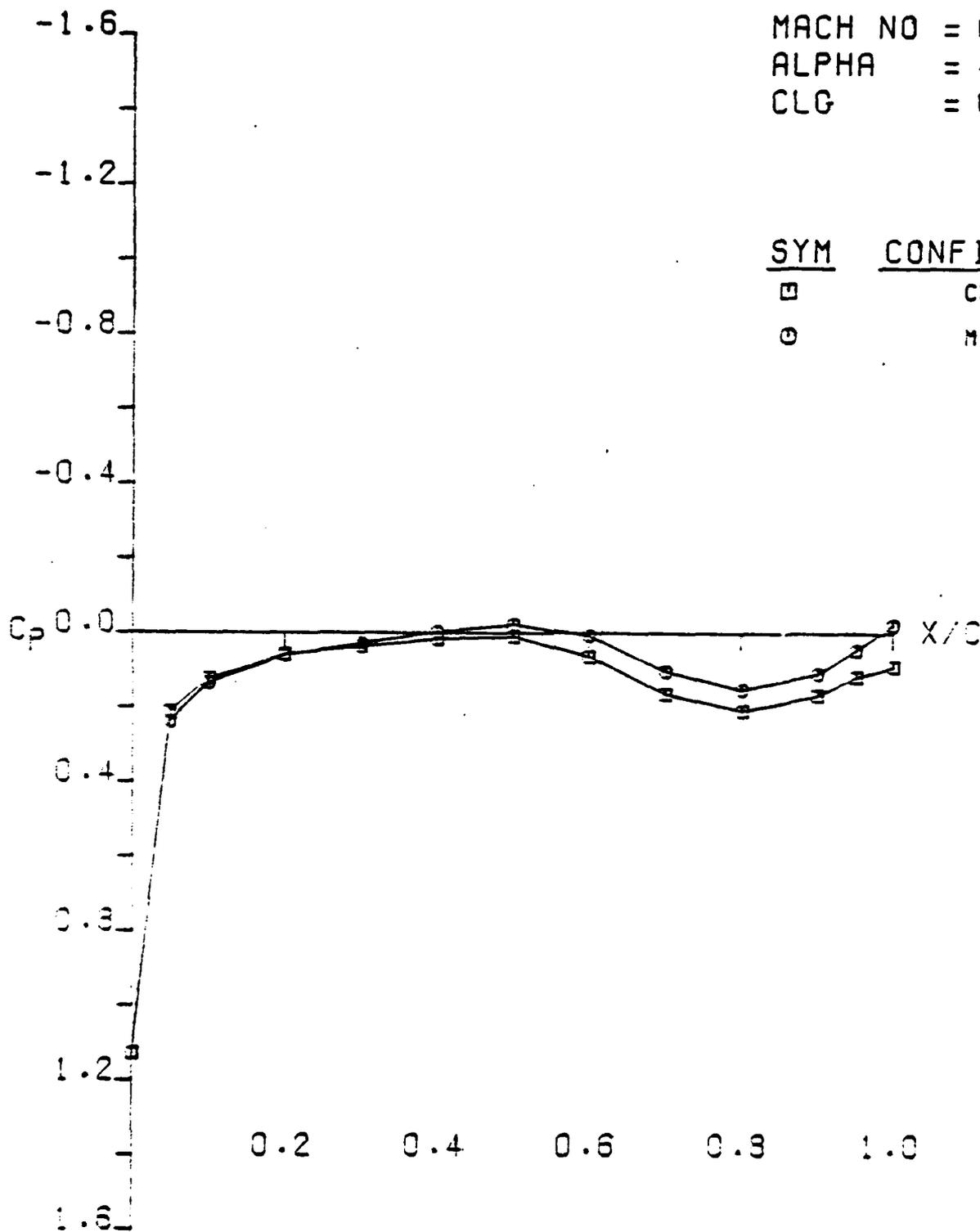
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

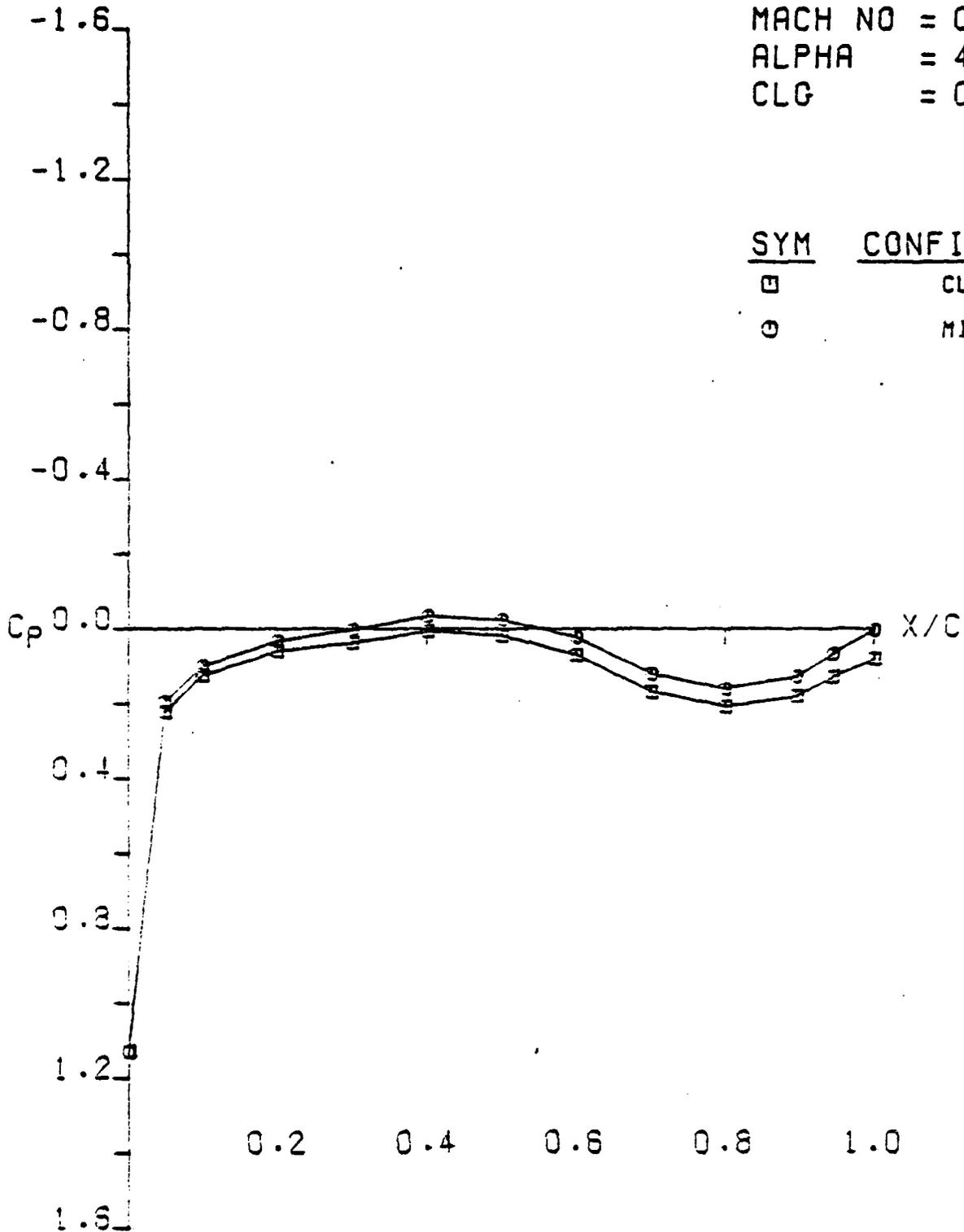
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

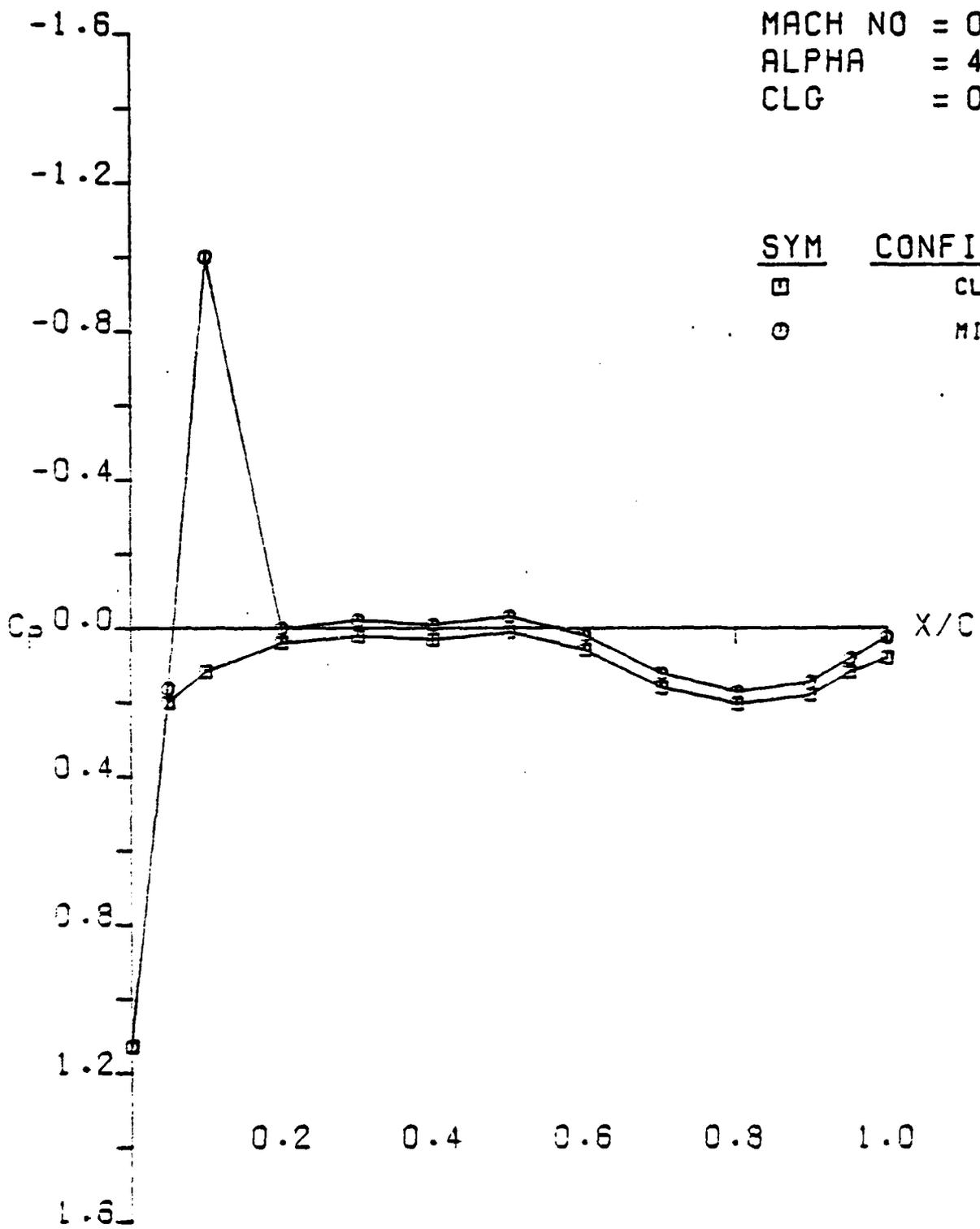
SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

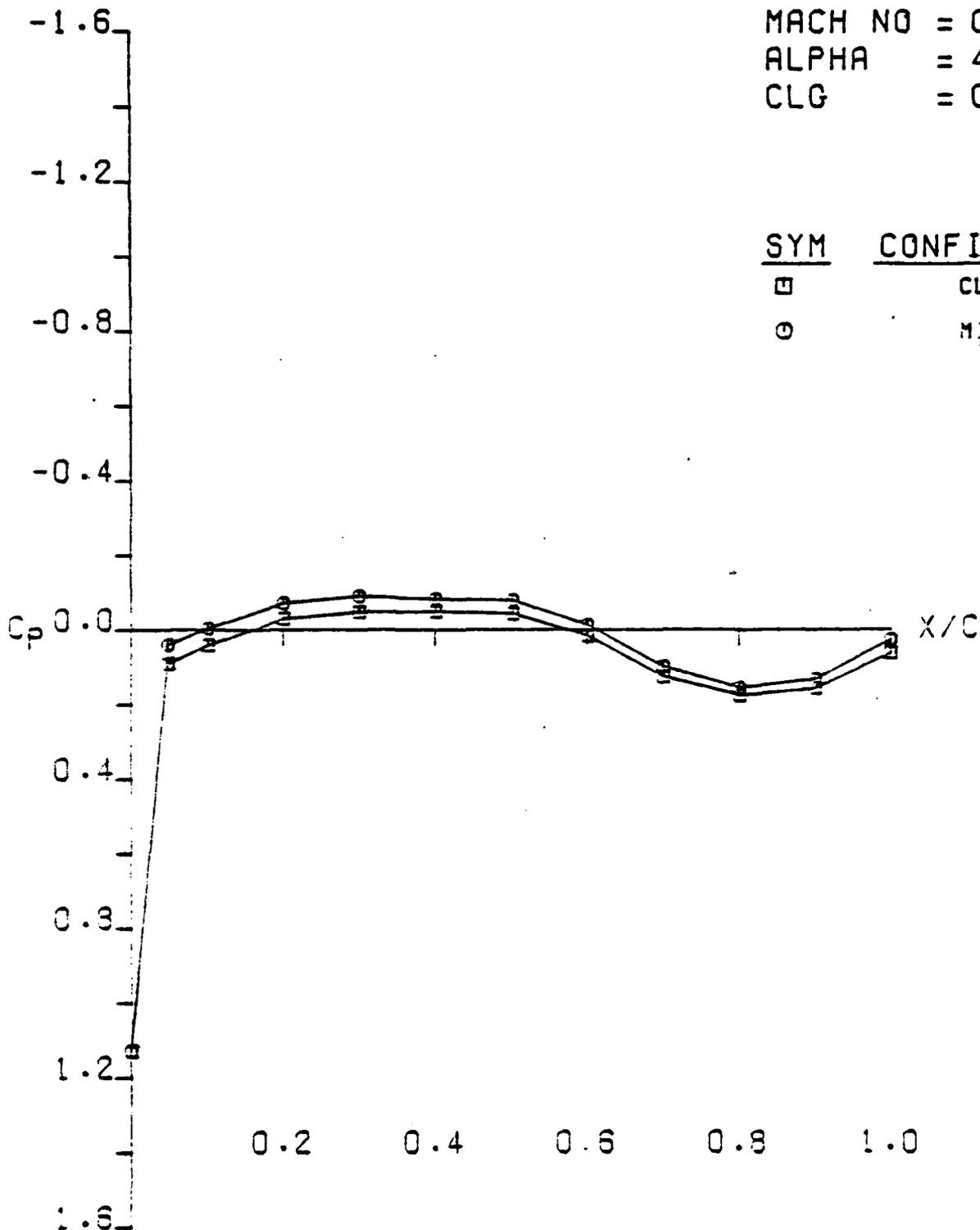
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

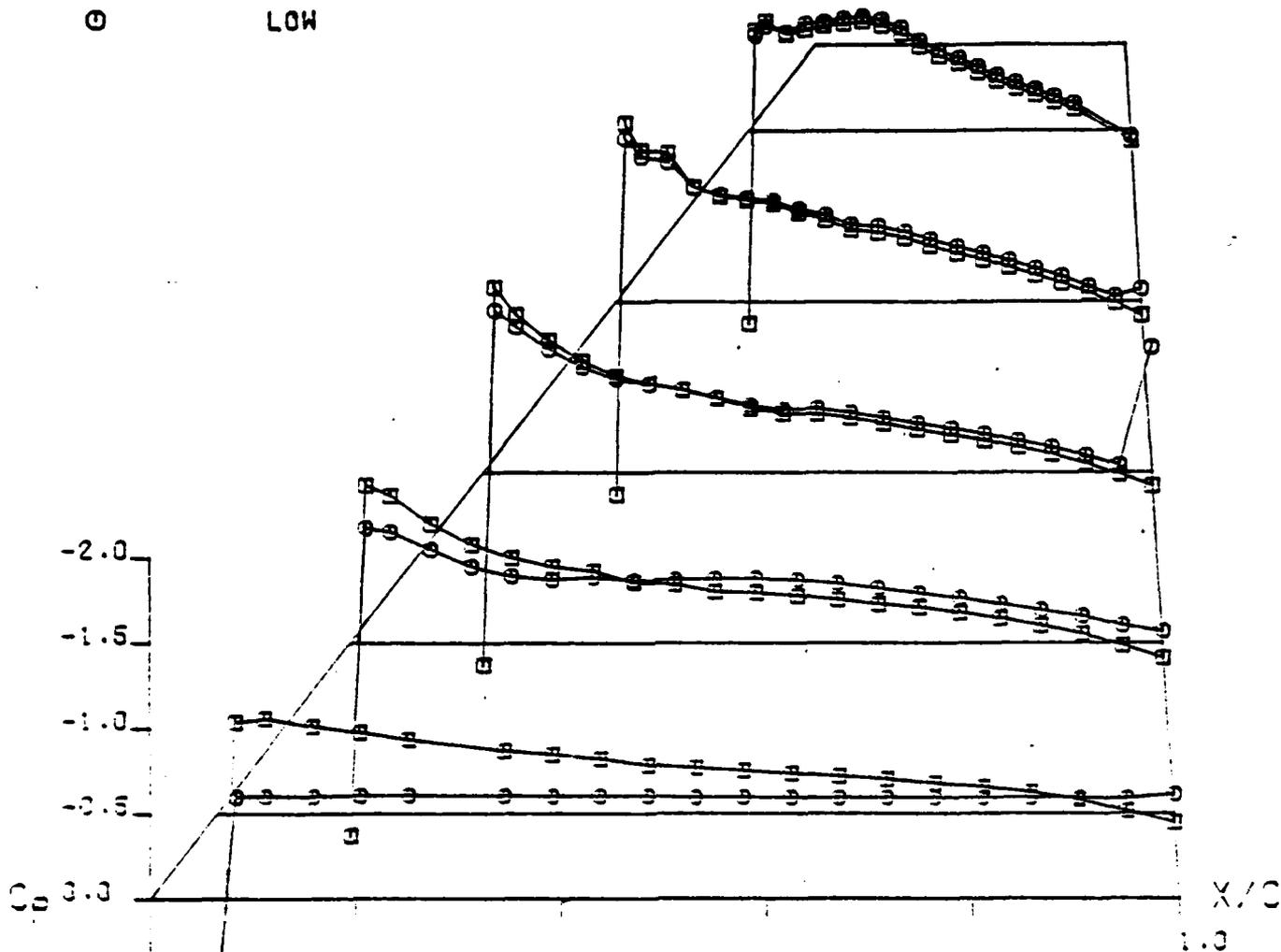
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS MID - NO SEAL (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□ CLEAN
 ○ LOW



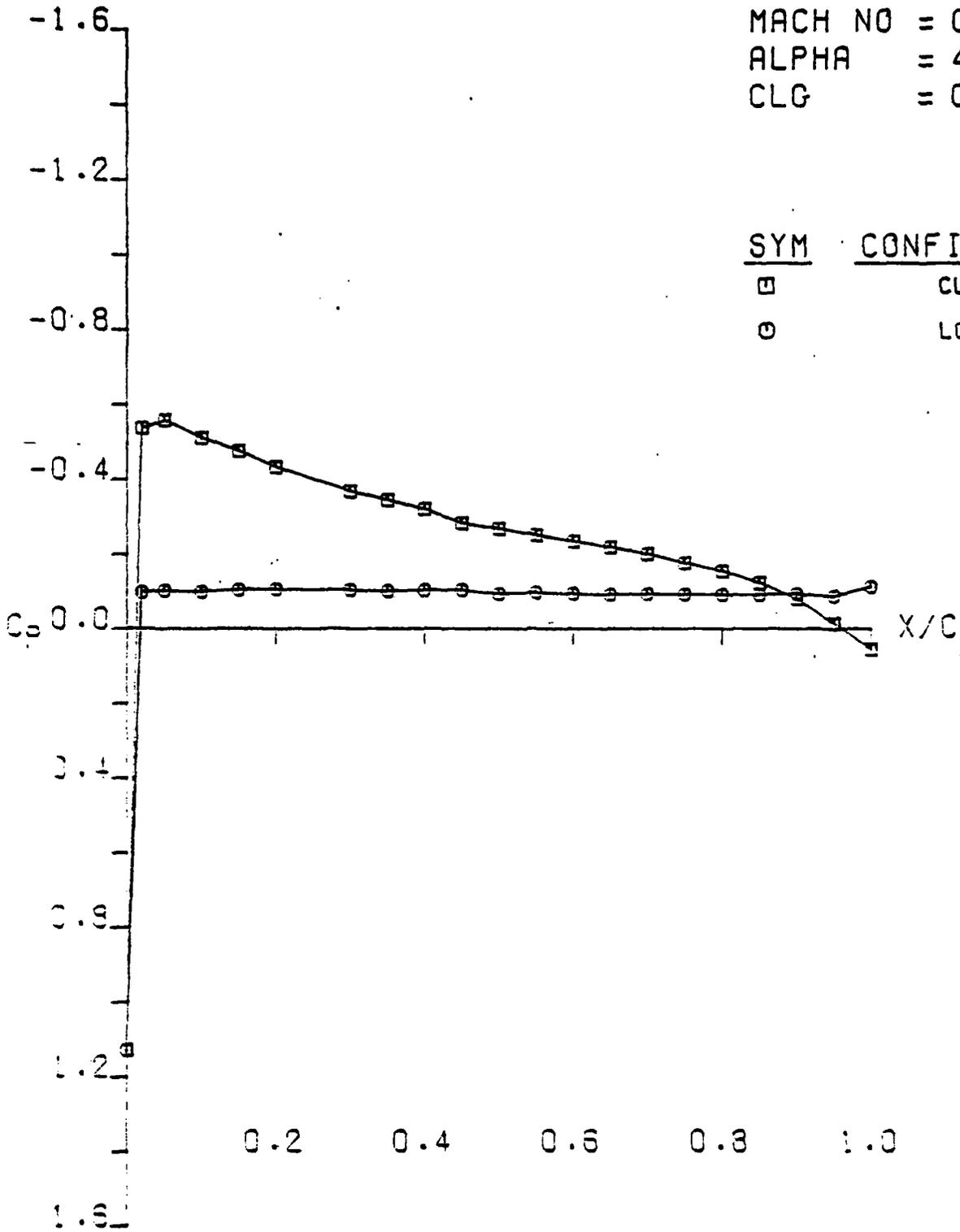
CONDITIONS

MACH NO = 0.701
 ALPHA = 4.348
 CL = 0.447
 CD = 0.037
 CM = -0.065
 CLG = 0.447

LOCKHEED CPWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (UPR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

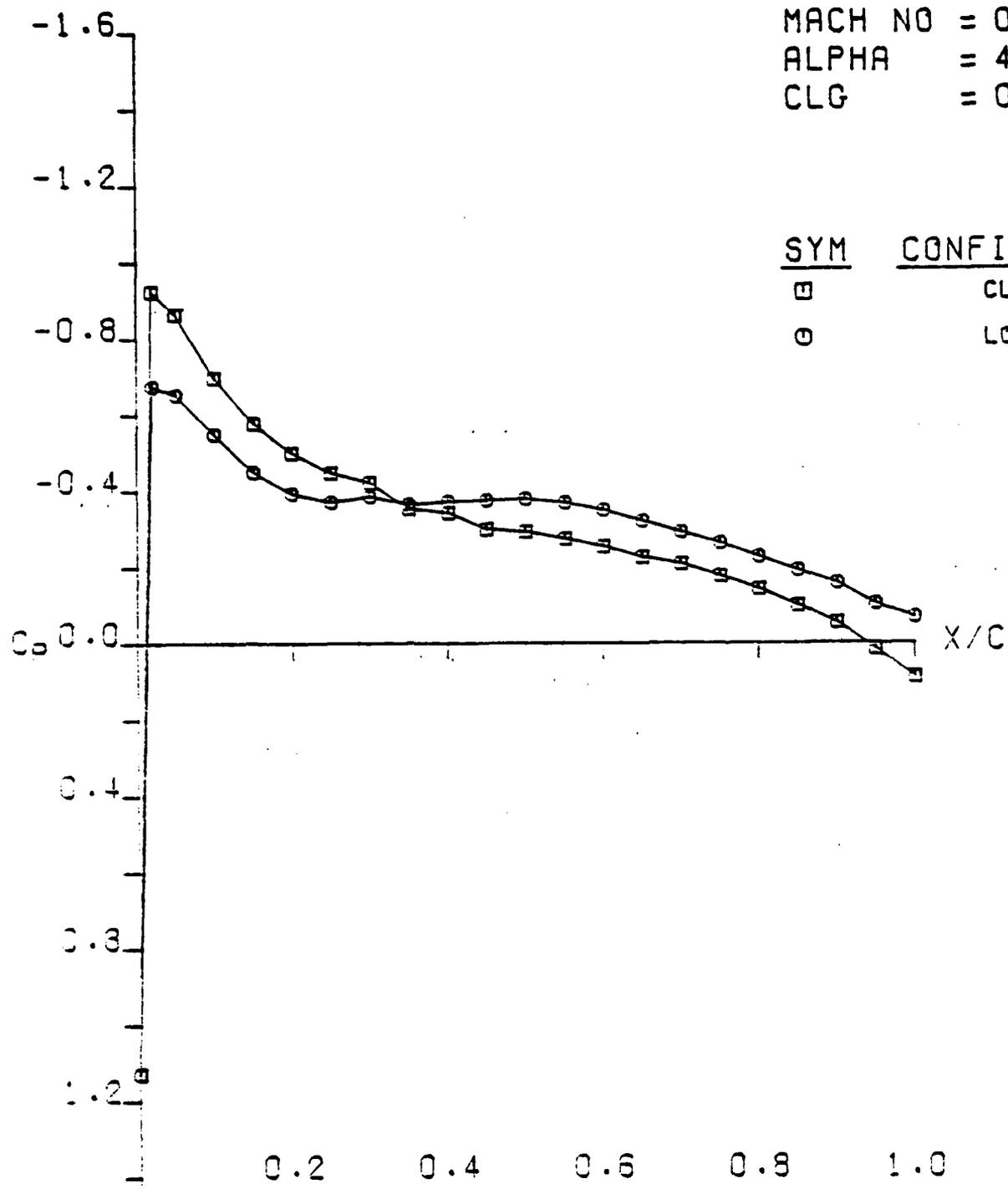
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (UPR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

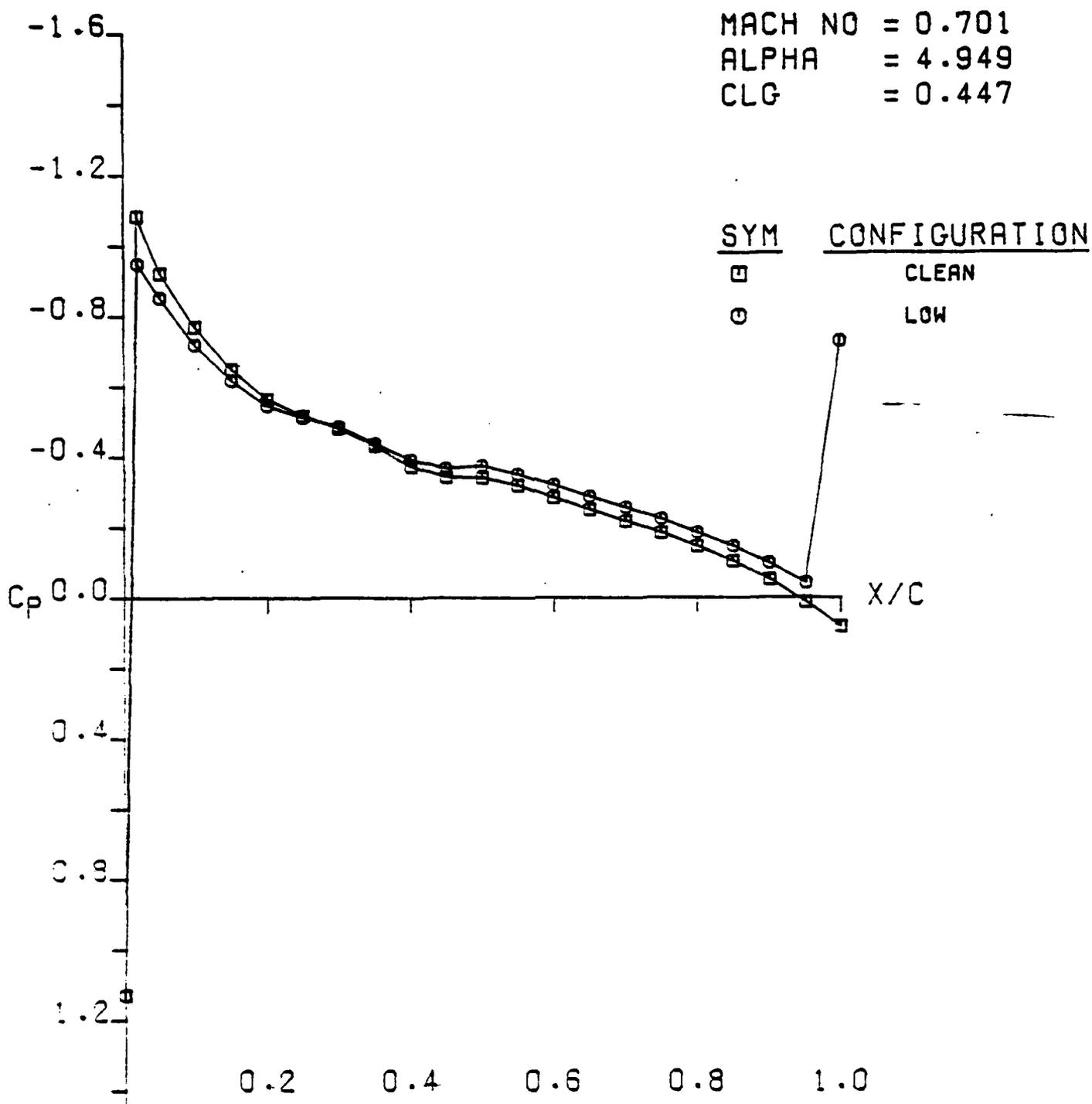
MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

SYM	CONFIGURATION
□	CLEAN
○	LOW



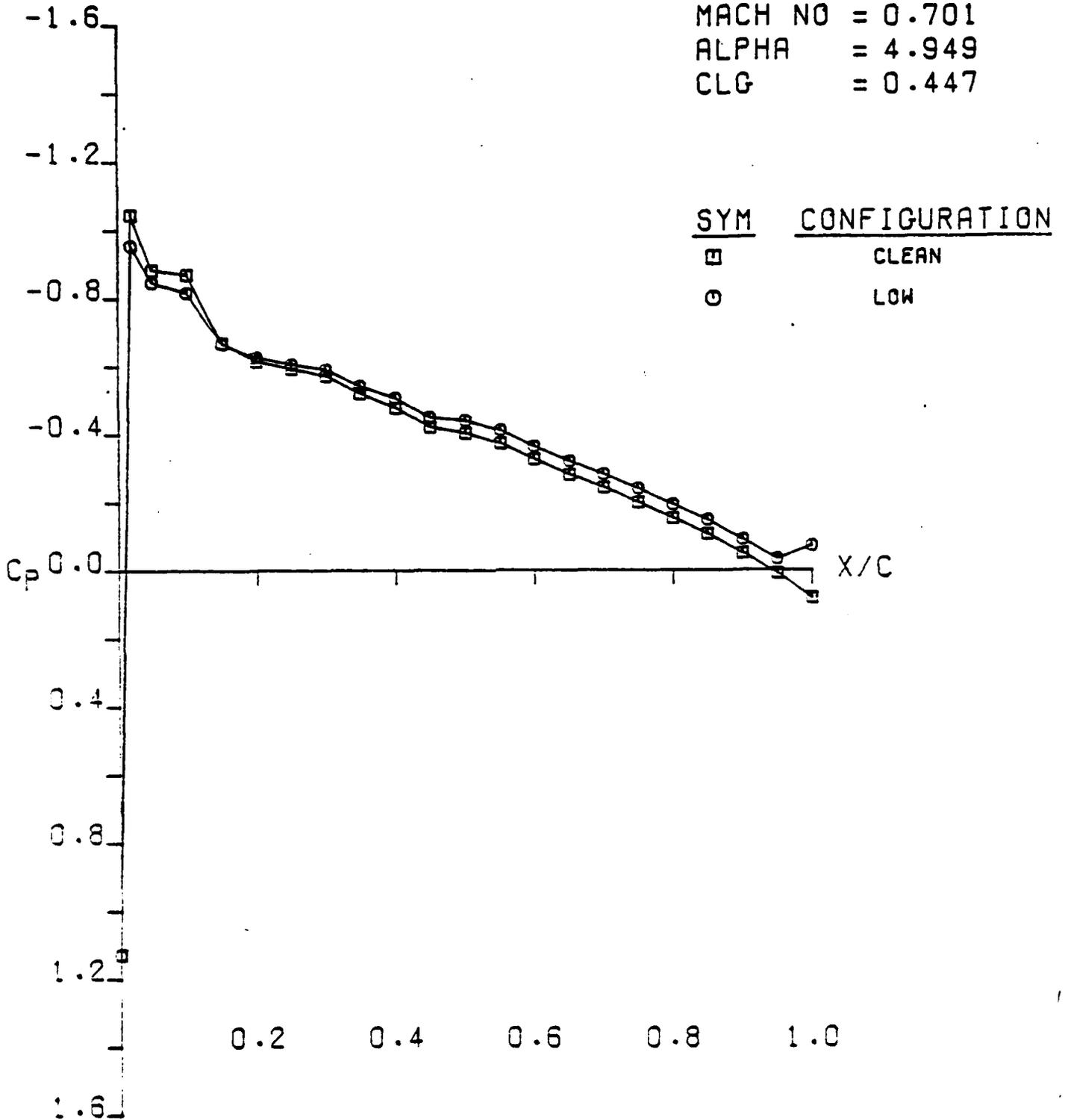
LOCKHEED DFWT SEMI-SPAN TEST, RUN 21
 CLN VS LOW (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C

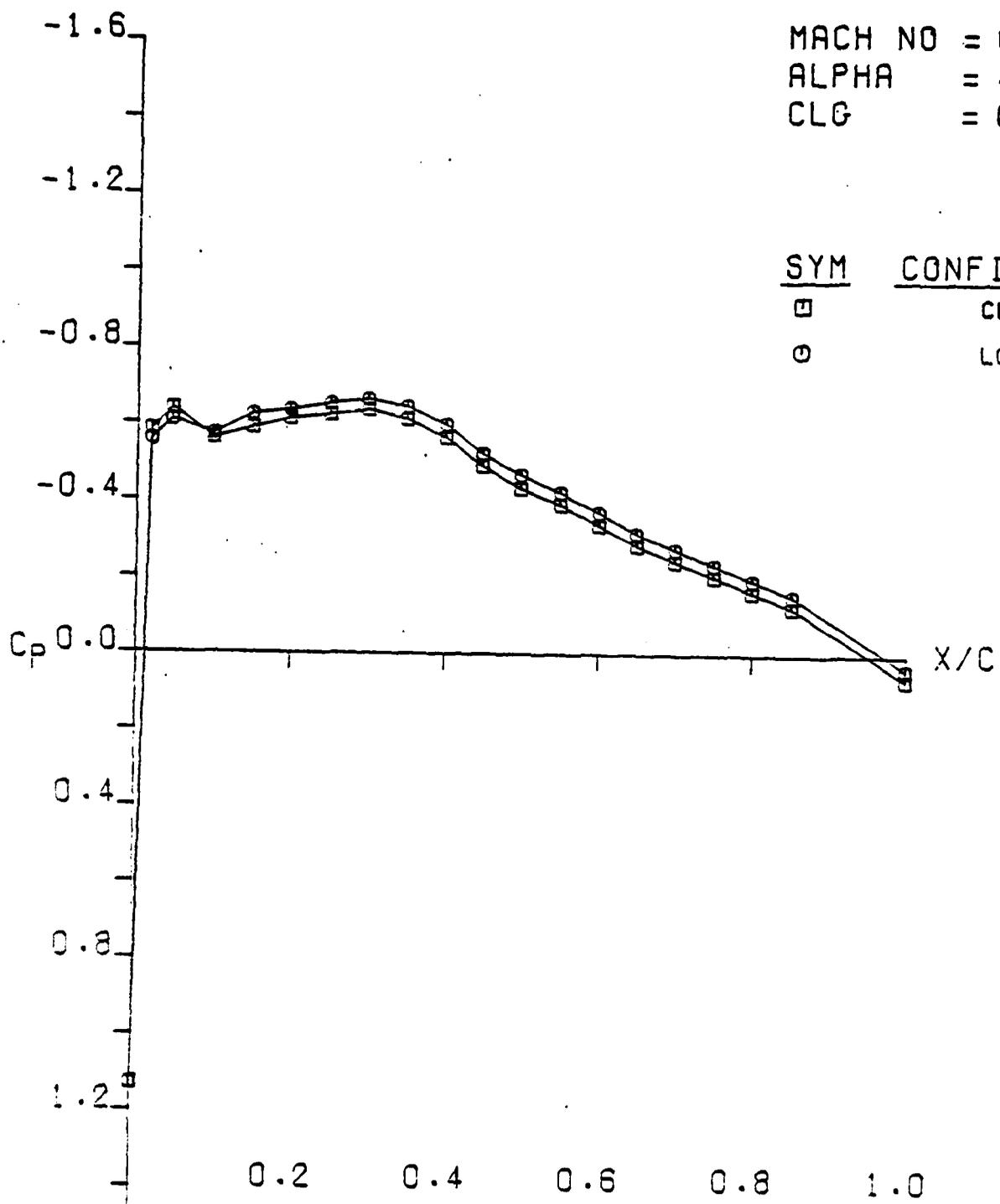
MACH NO = 0.701
ALPHA = 4.949
CLG = 0.447



LOCKHEED CFWT SEMI-SPAN TEST, RUN 21
CLN VS LOW (UPR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

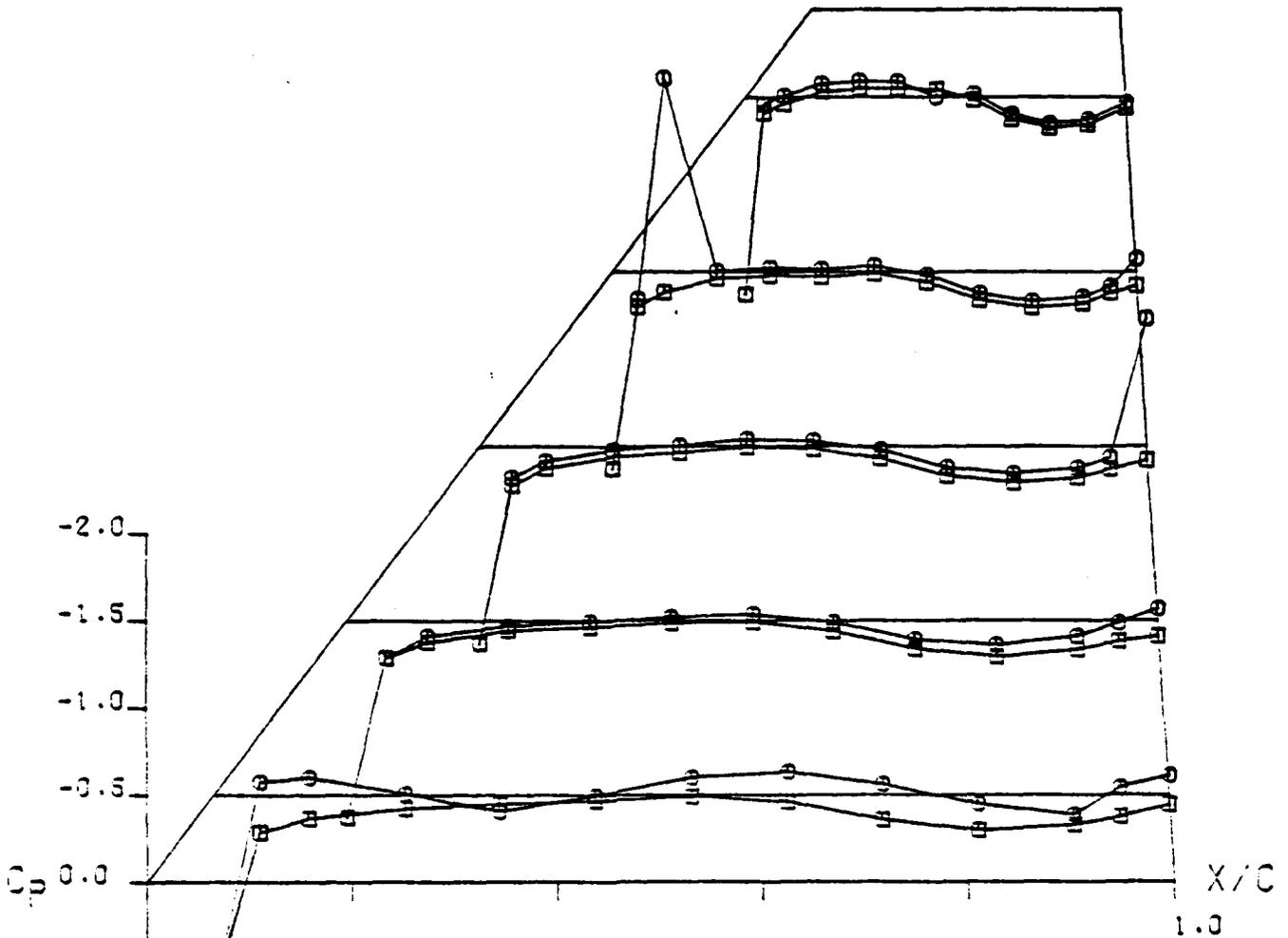
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□ CLEAN
 ○ LOW



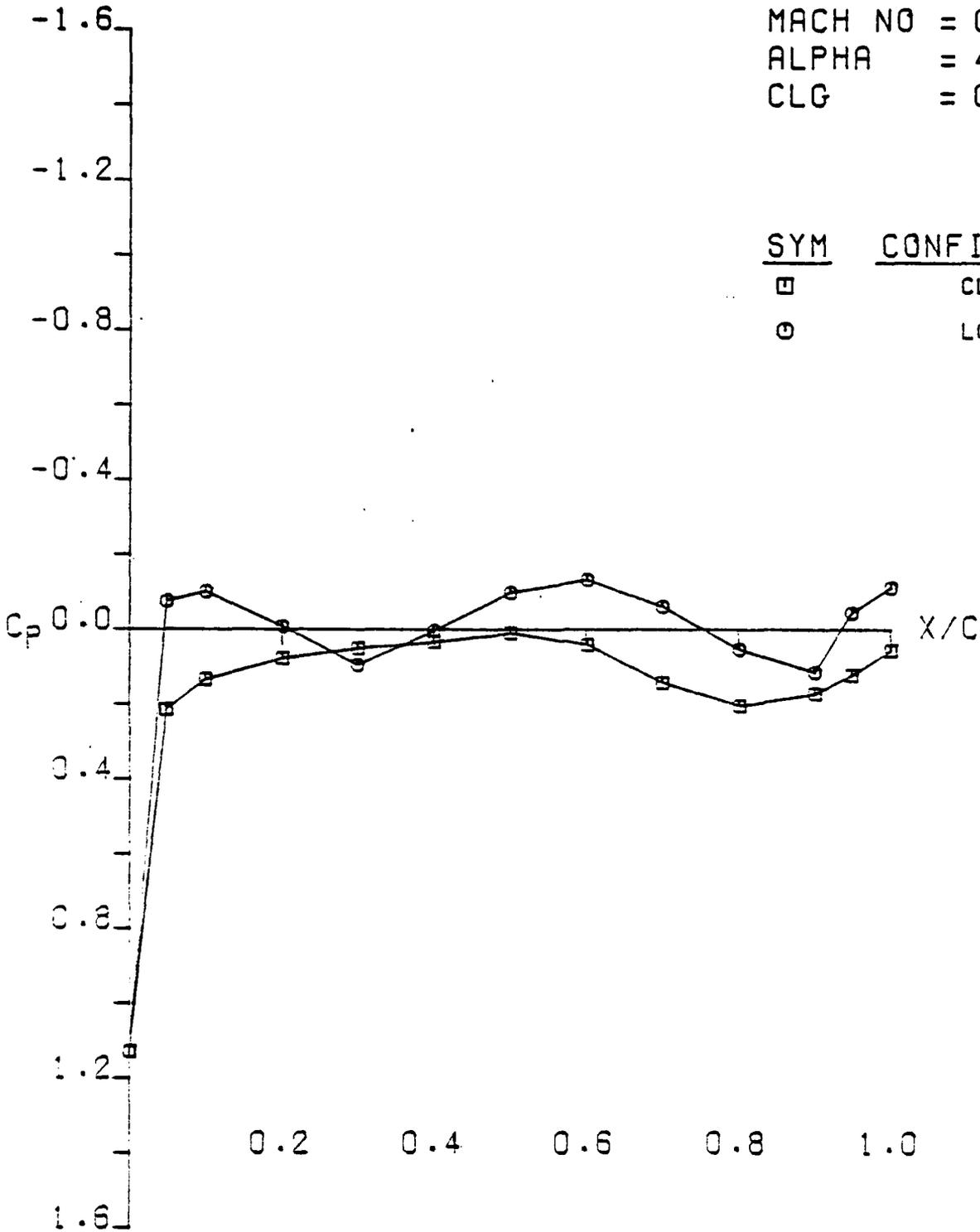
CONDITIONS

MACH NO = 0.701
 ALPHA = 4.349
 CL = 0.447
 CD = 0.037
 CM = -0.065
 CLG = 0.447

LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (LWR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

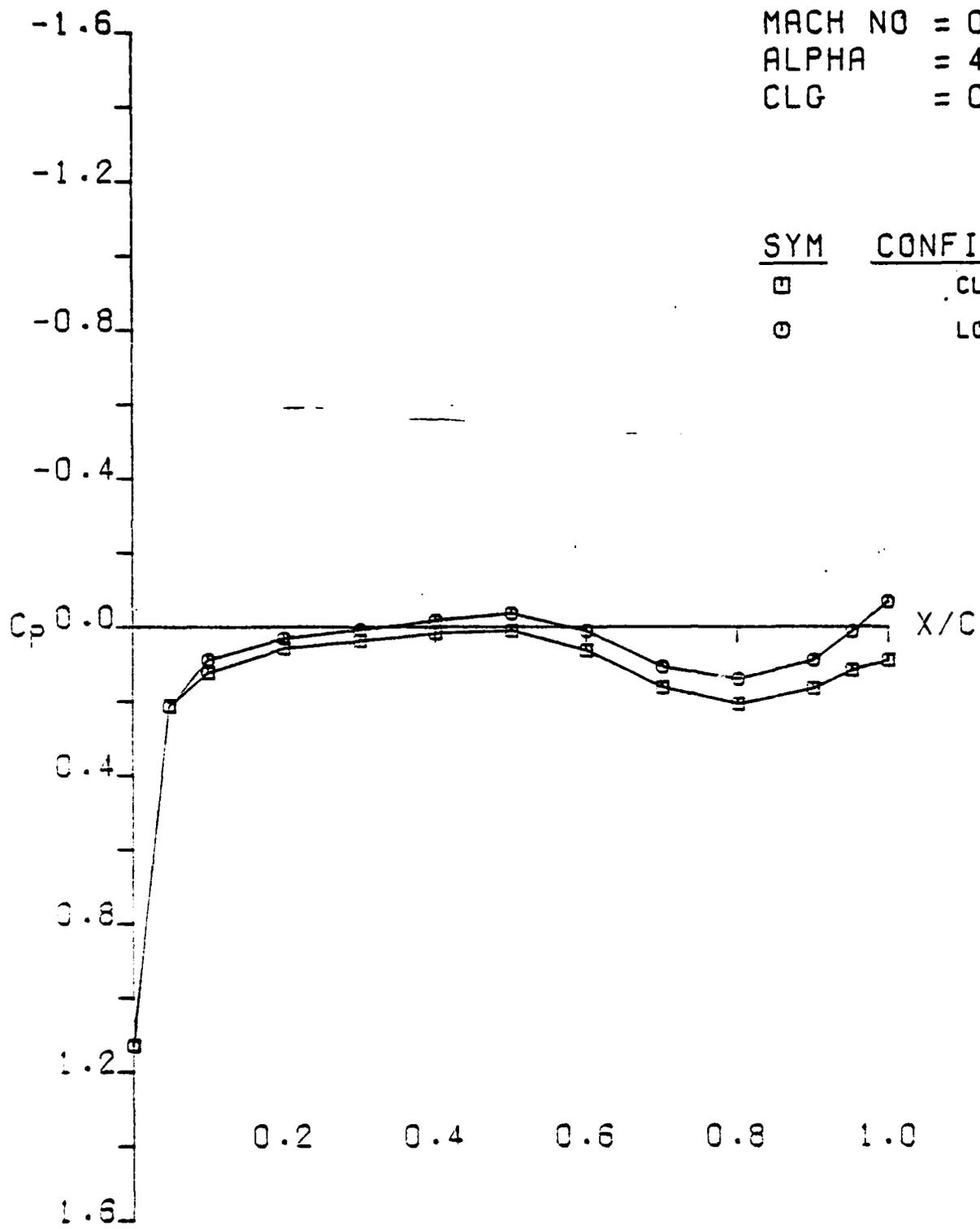
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

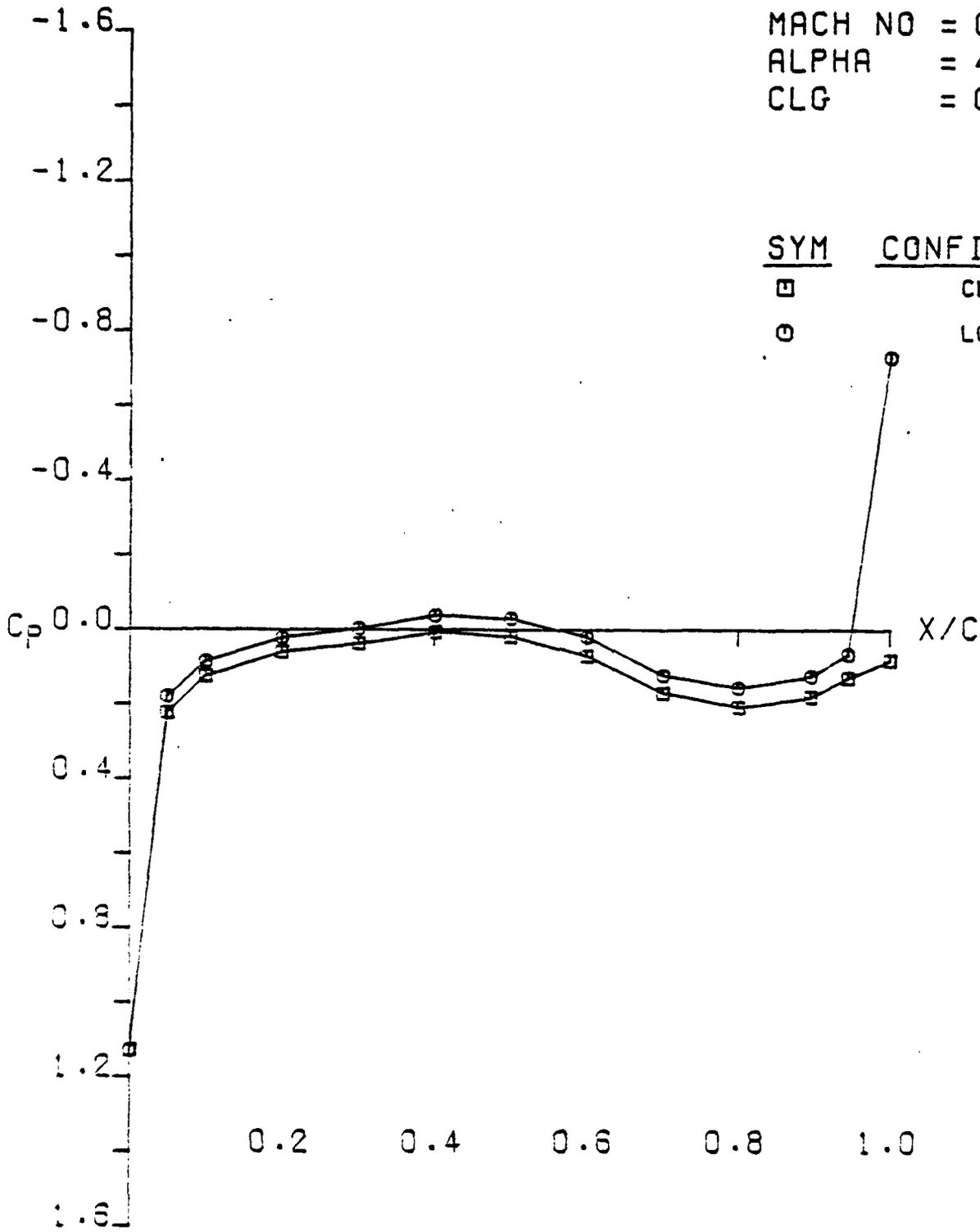
SYM	CONFIGURATION
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

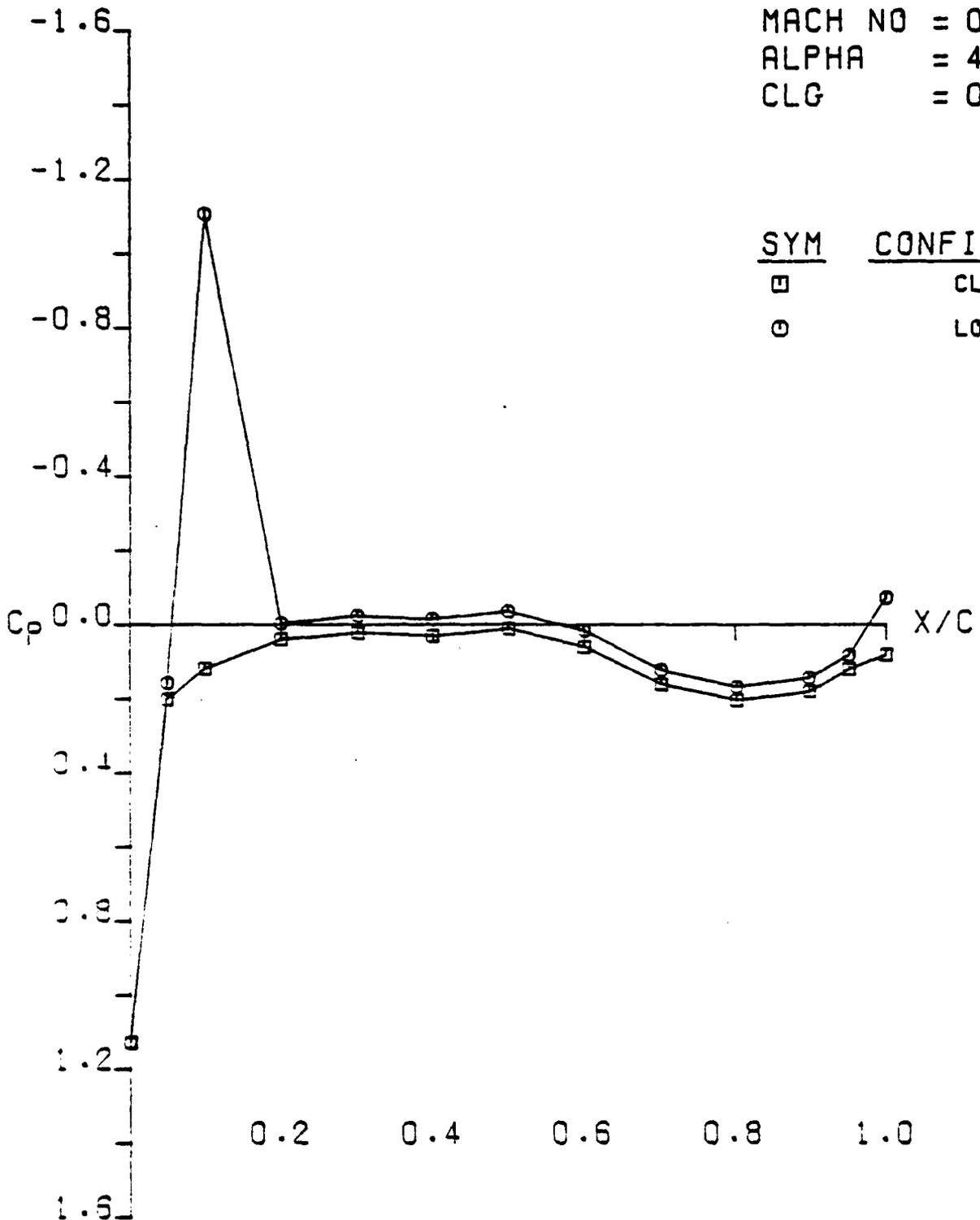
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

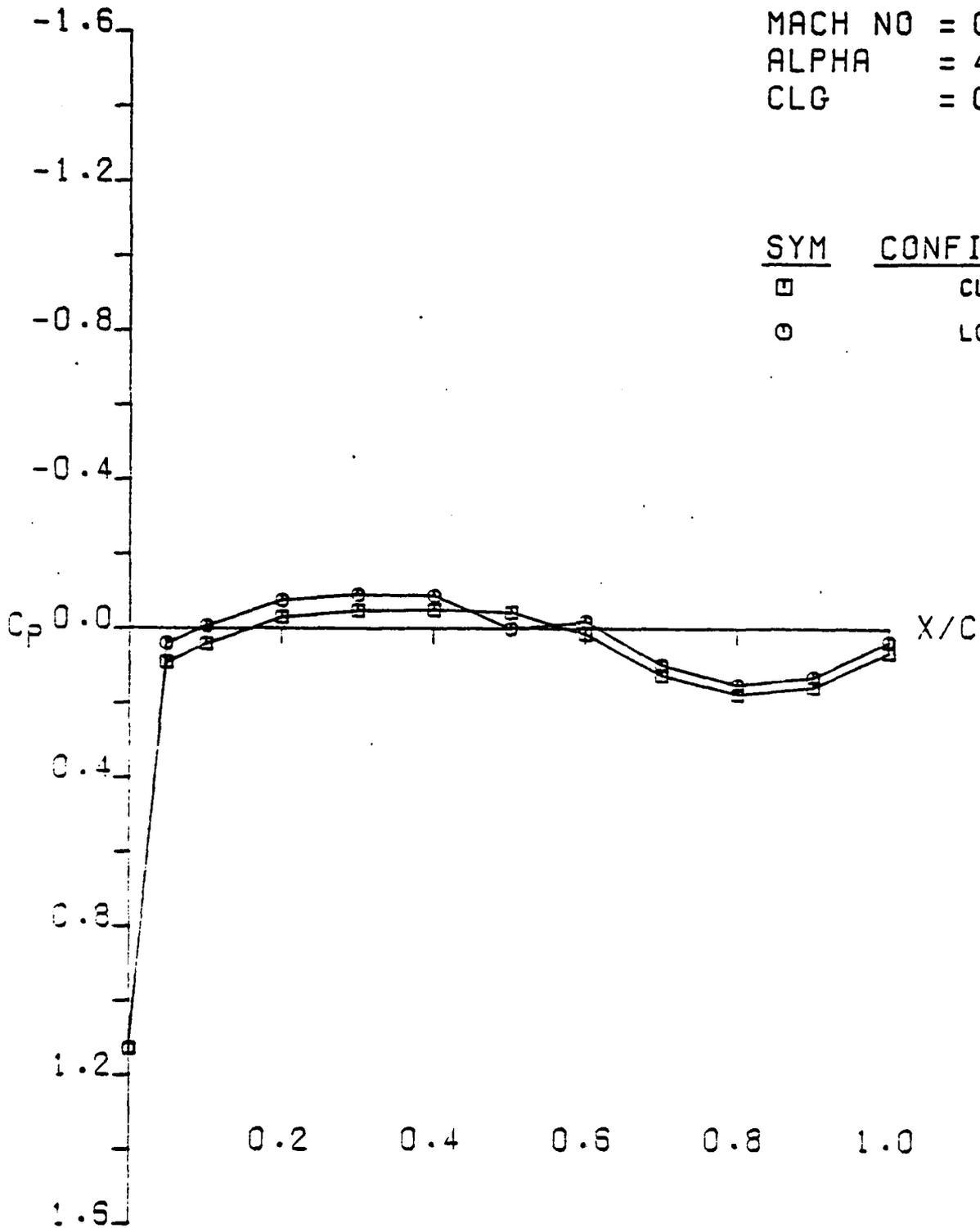
<u>SYM</u>	<u>CONFIGURATIO</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.701
 ALPHA = 4.949
 CLG = 0.447

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

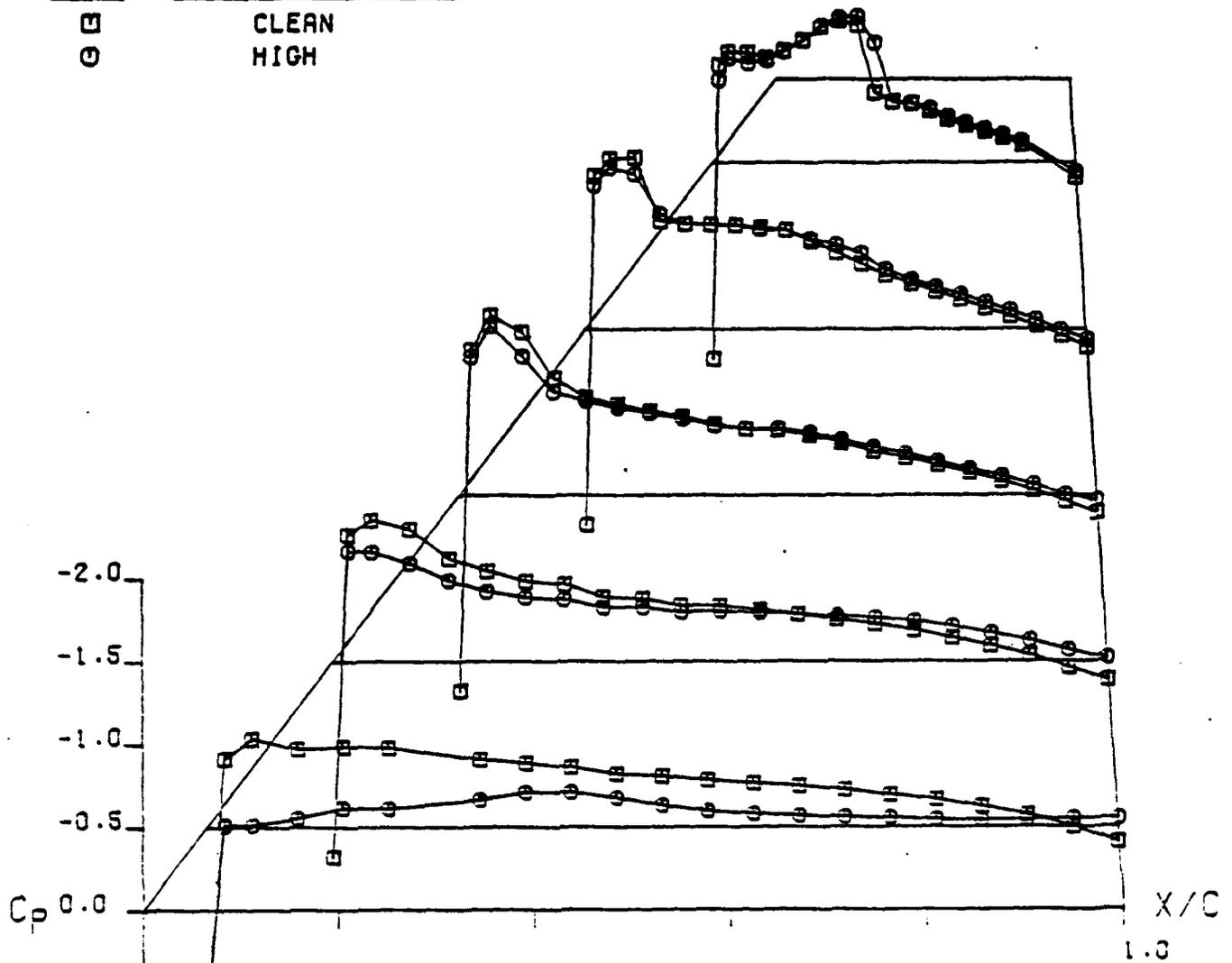


LOCKHEED CFWT SEMI-SPAN TEST, RUN 24
 CLN VS LOW (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

CLEAN
HIGH



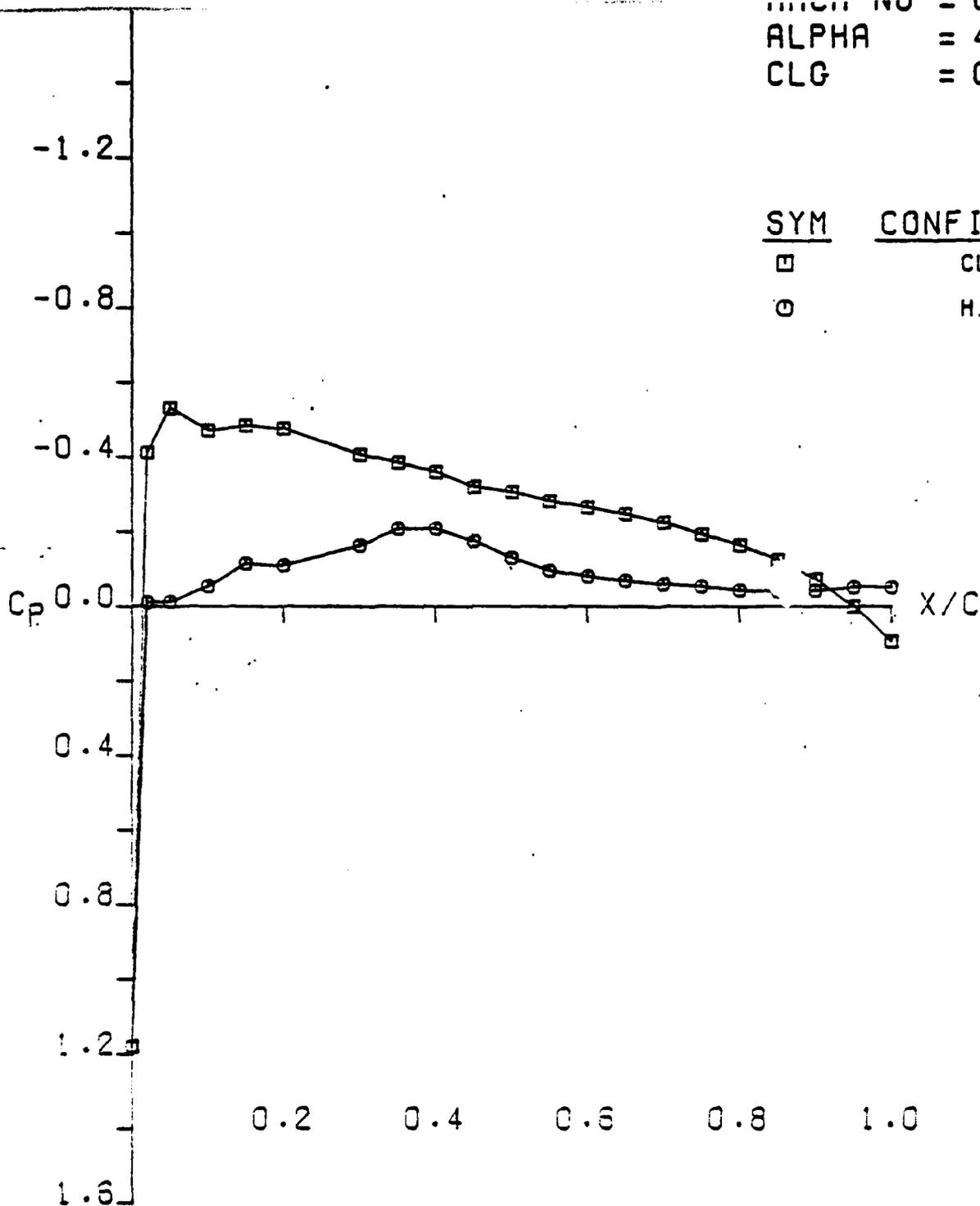
CONDITIONS

MACH NO = 0.920
 ALPHA = 4.922
 CL = 0.474
 CD = 0.340
 CM = -0.073
 CL3 = 0.474

LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS HIGH (UPR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

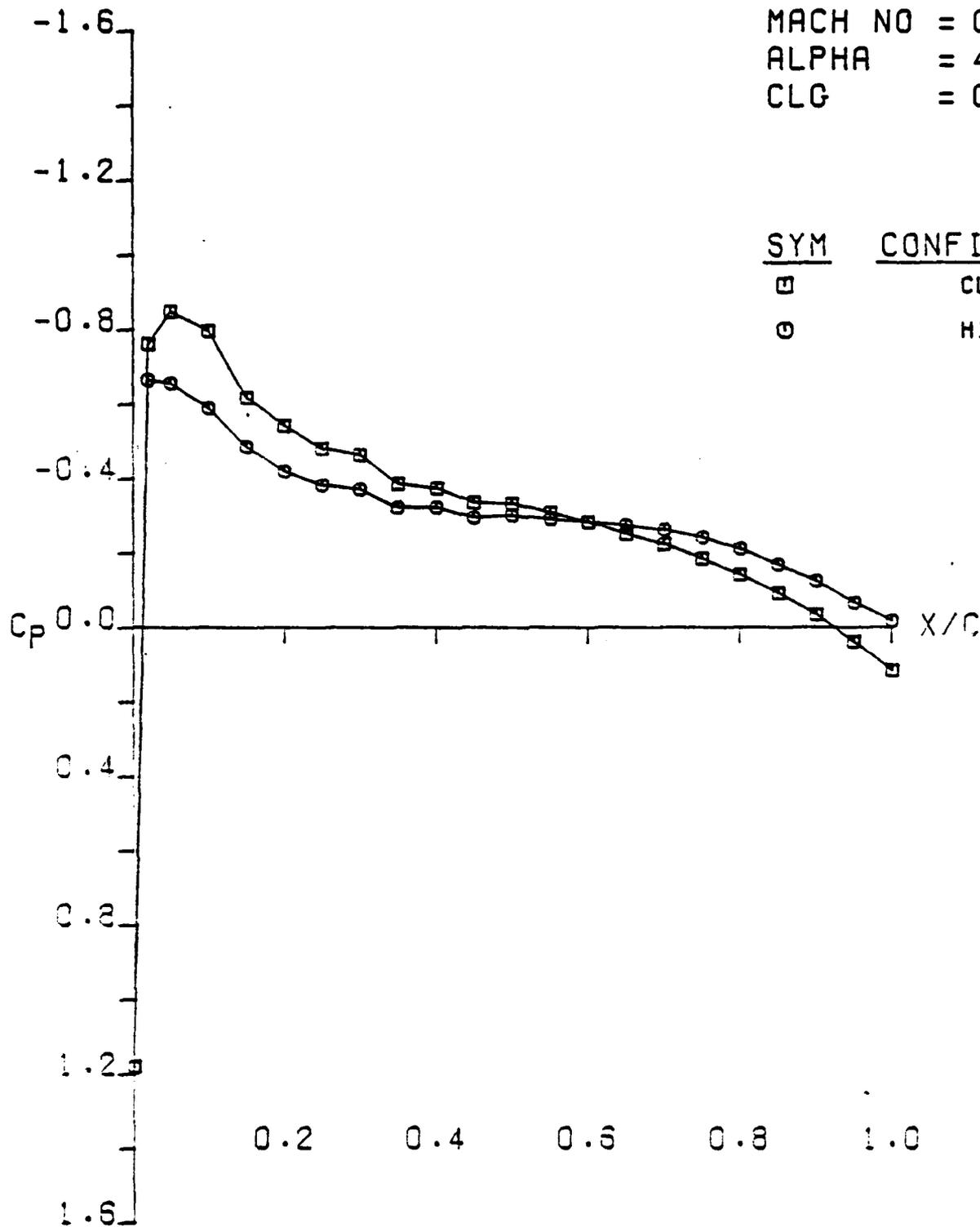
SYM	CONFIGURATION
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS HIGH (UPR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

SYM	CONFIGURATIO
□	CLEAN
○	HIGH

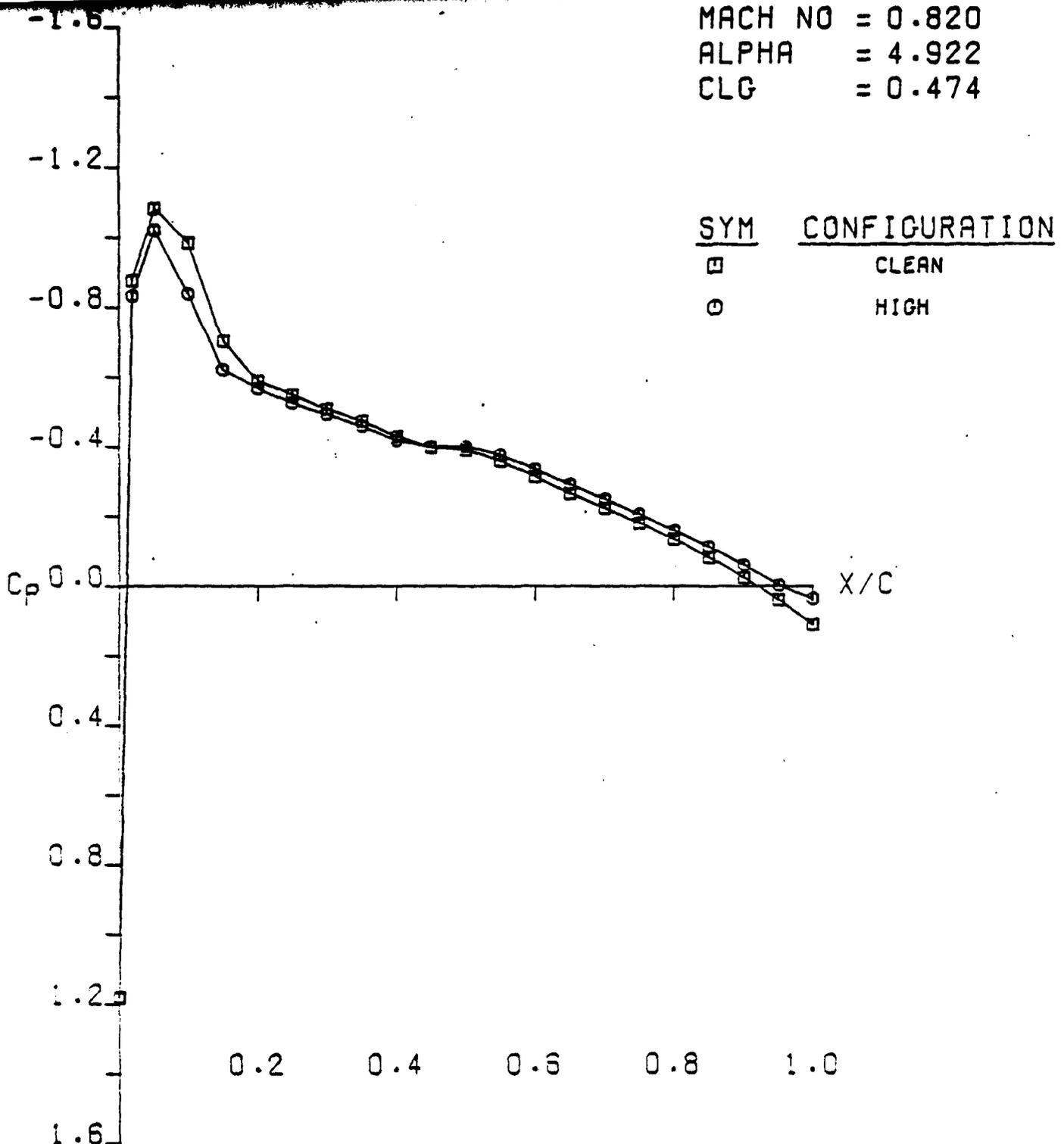


LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS HIGH (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820

ALPHA = 4.922

CLG = 0.474

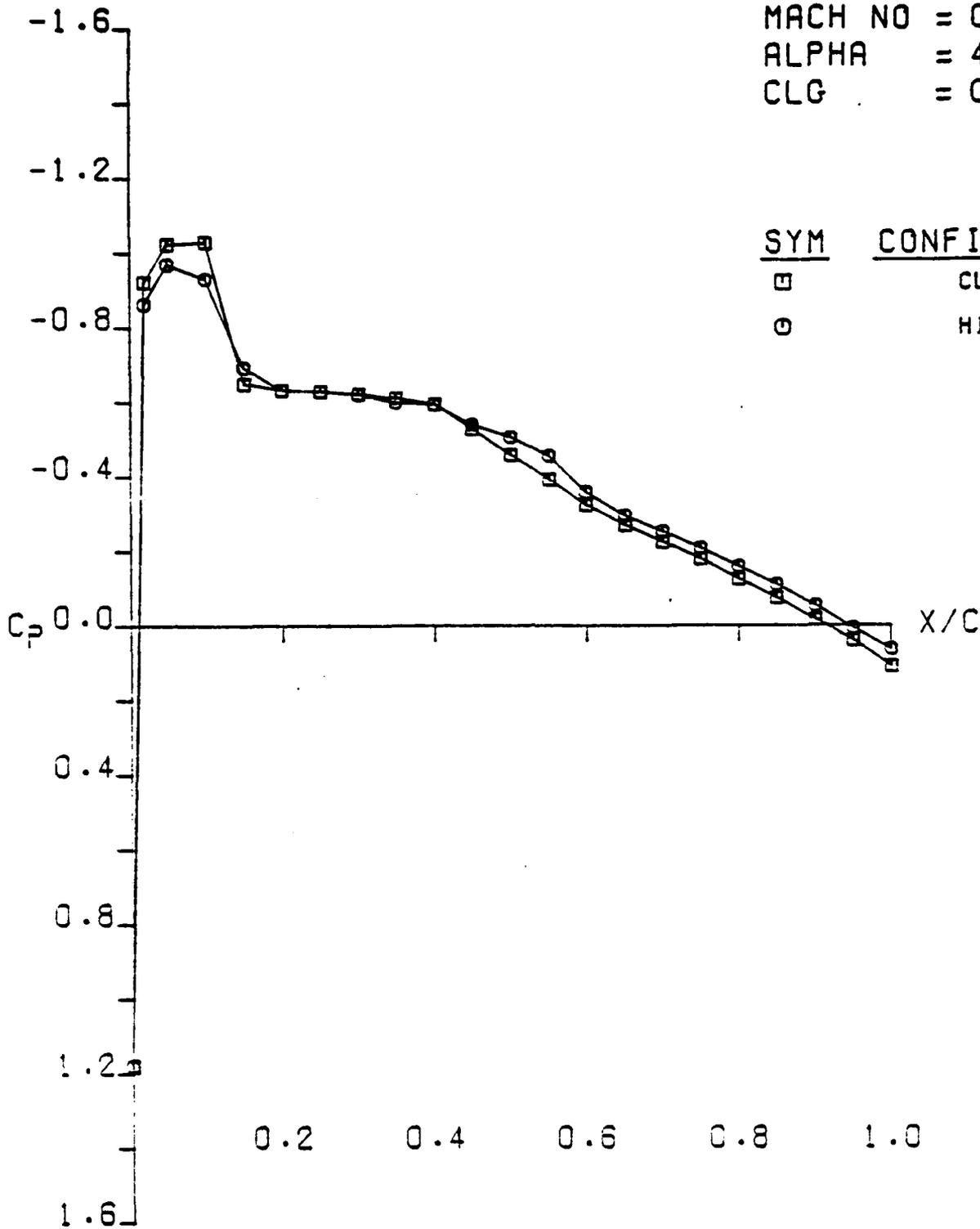


<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS HIGH (UPR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

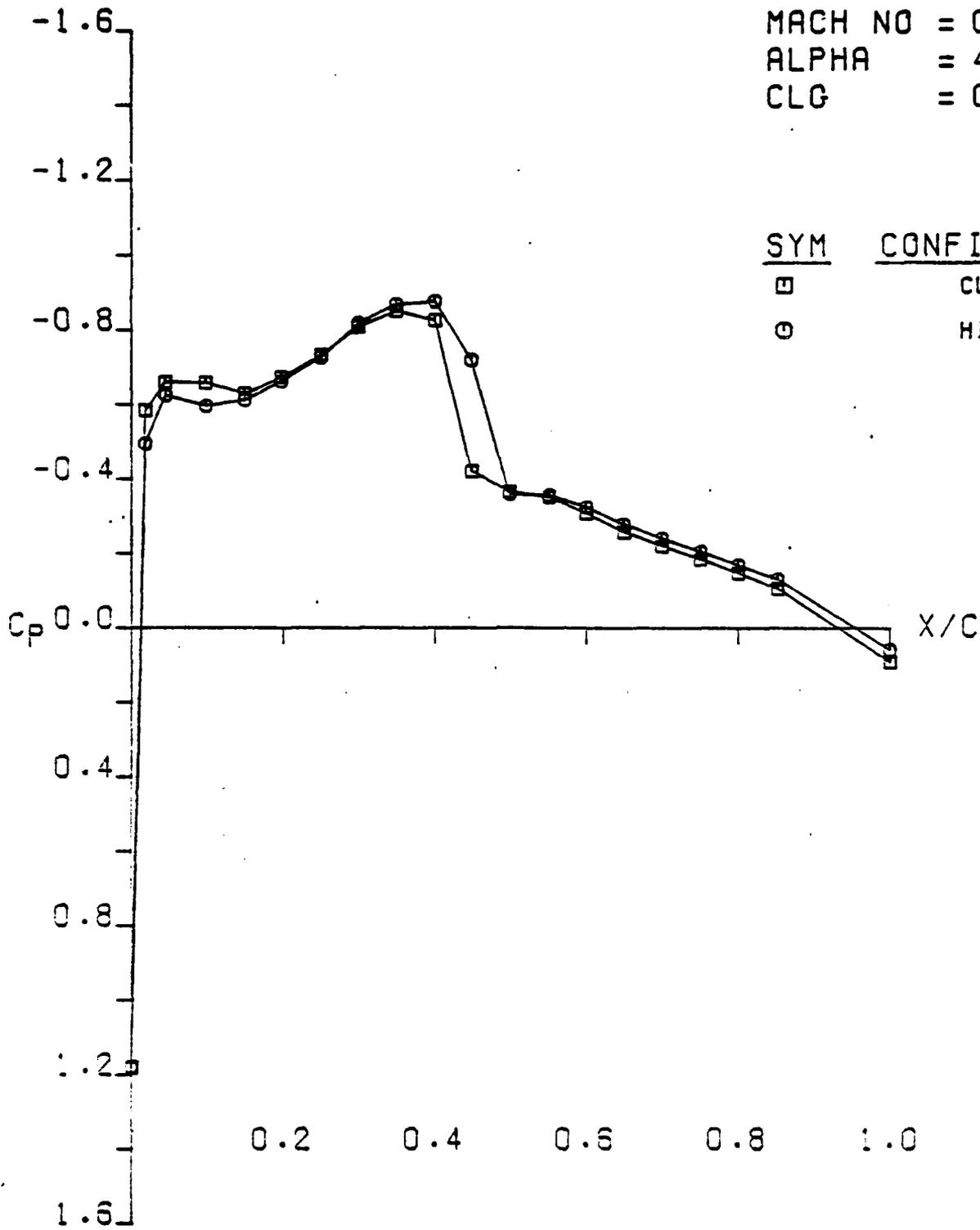
SYM	CONFIGURATION
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS HIGH (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

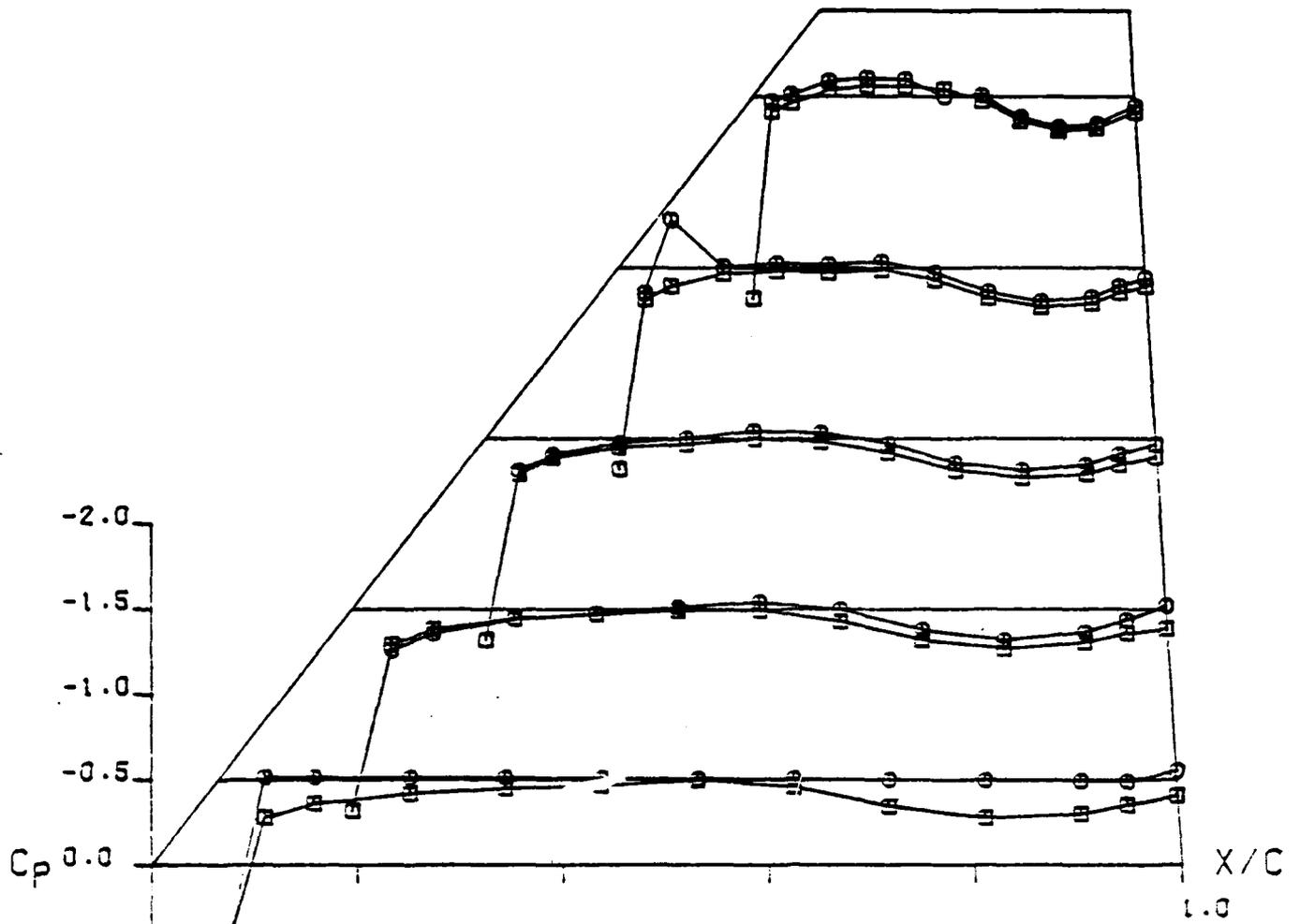


LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS HIGH (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

CLEAN
HIGH



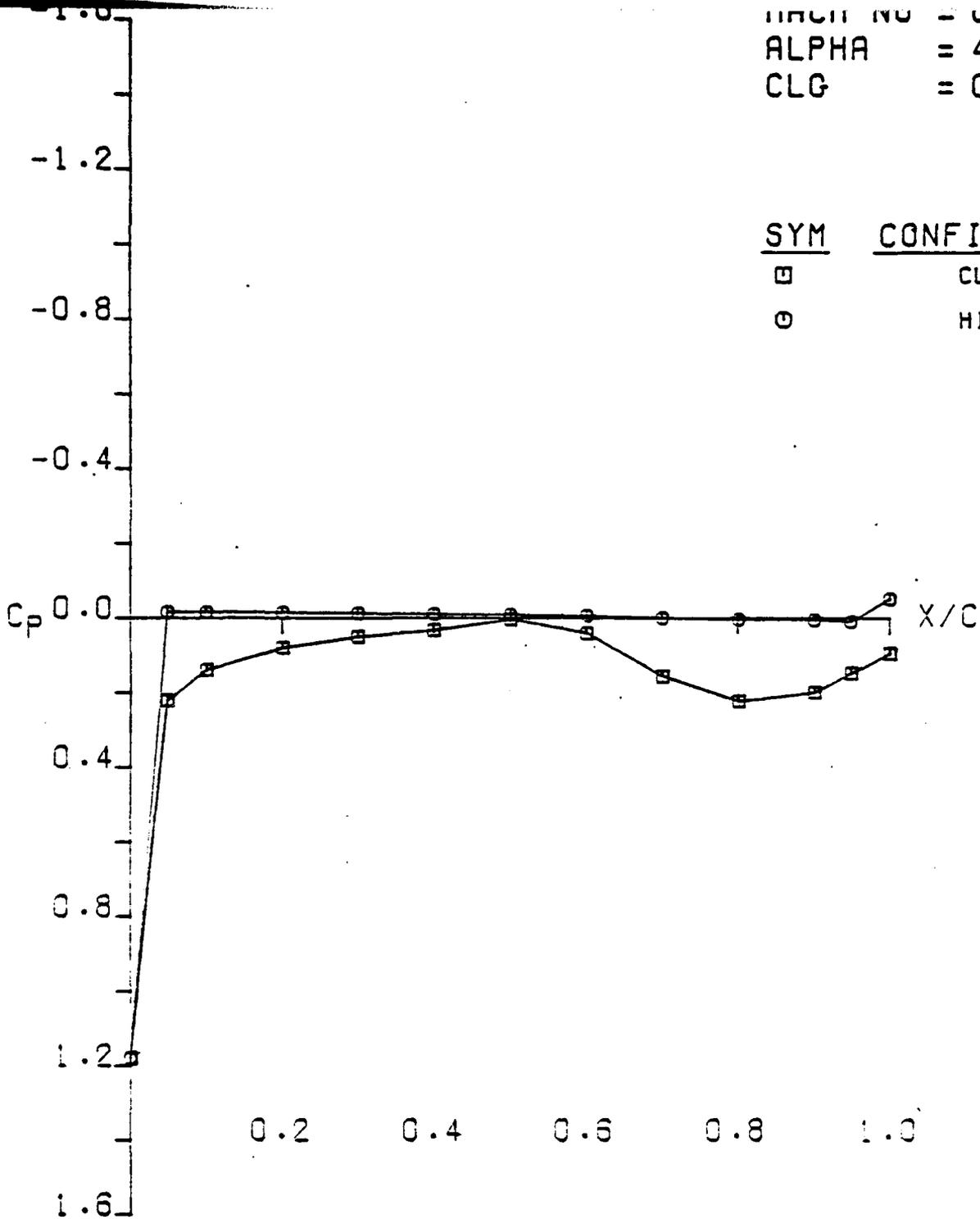
CONDITIONS

MACH NO = 0.820
 ALPHA = 4.922
 CL = 0.474
 CD = 0.040
 CM = -0.073
 CLG = 0.474

LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS HIGH (LWR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.020
ALPHA = 4.922
CLG = 0.474

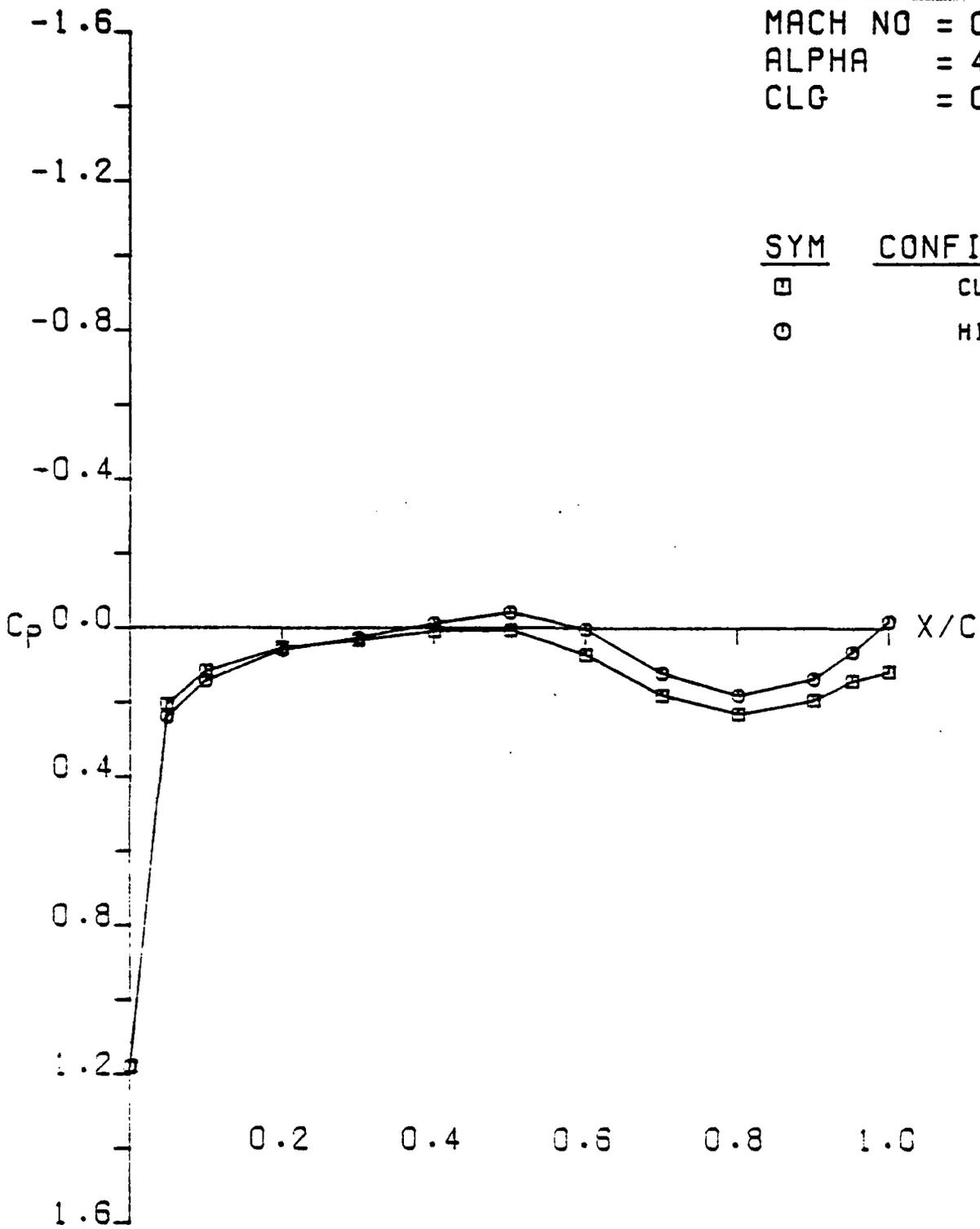
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS HIGH (LWR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
ALPHA = 4.922
CLG = 0.474

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS HIGH (LWR SURF ETA .30)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820

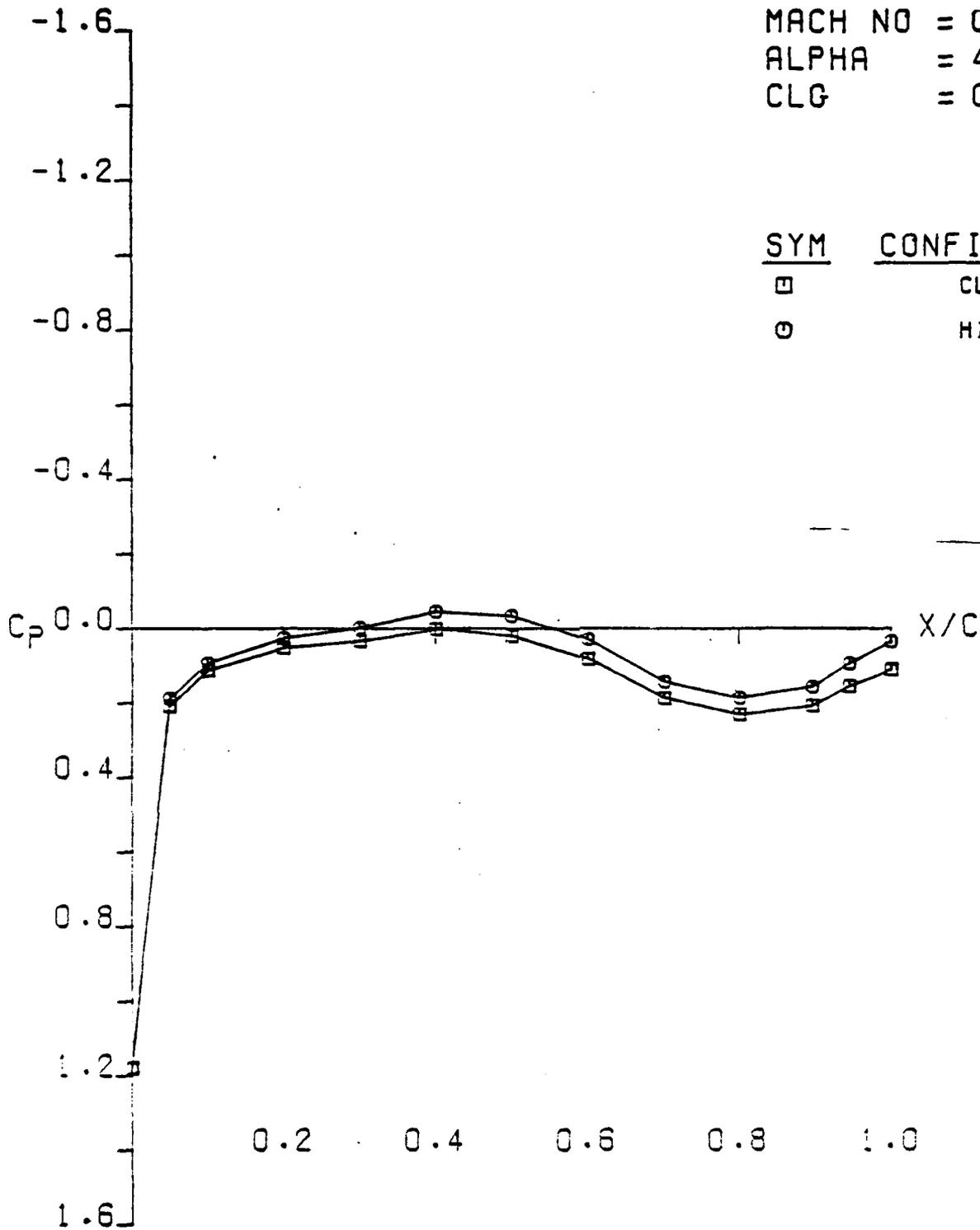
ALPHA = 4.922

CLG = 0.474

SYM CONFIGURATION

□ CLEAN

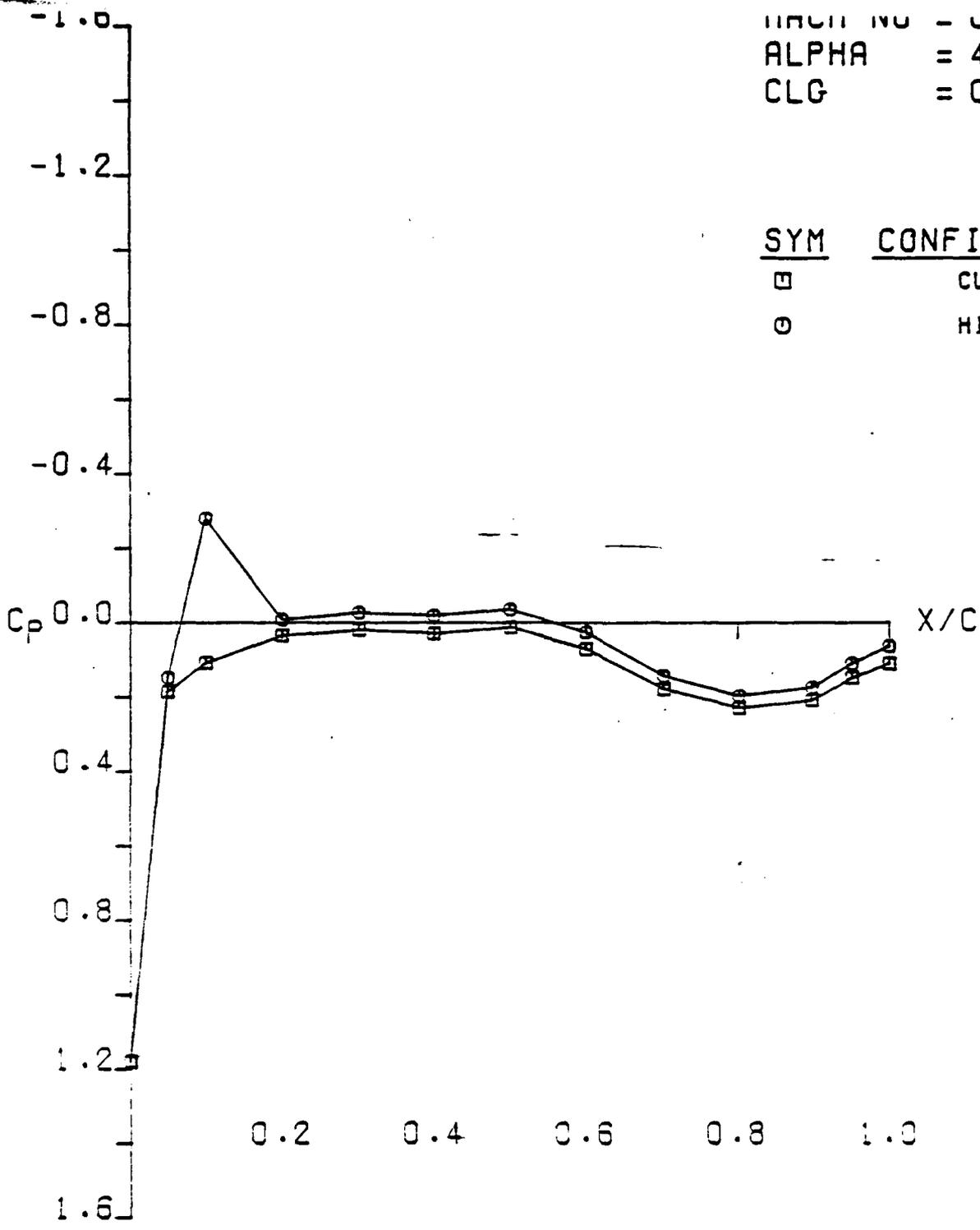
○ HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS HIGH (LWR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.020
 ALPHA = 4.922
 CLG = 0.474

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS HIGH (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820

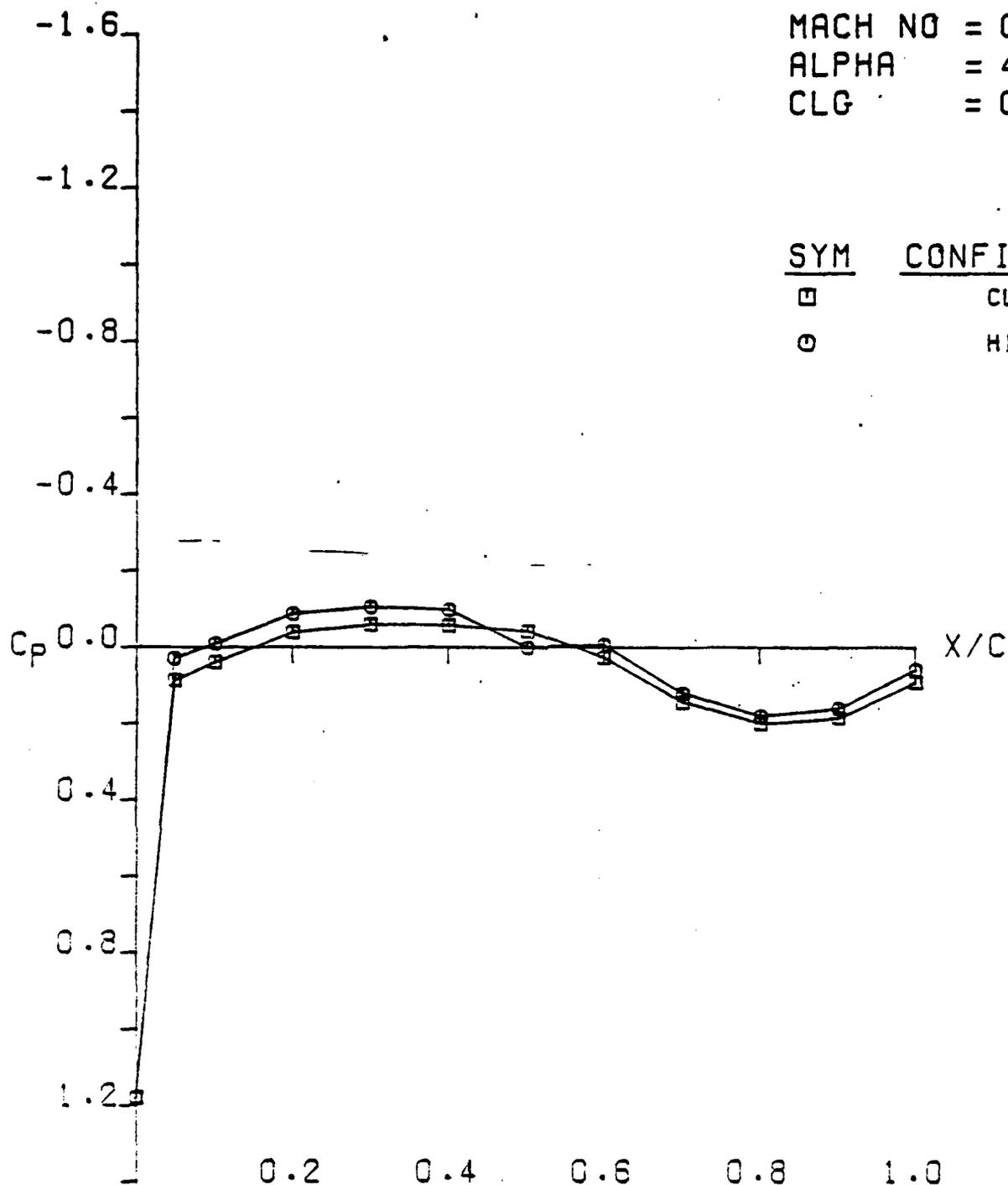
ALPHA = 4.922

CLG = 0.474

SYM CONFIGURATION

□ CLEAN

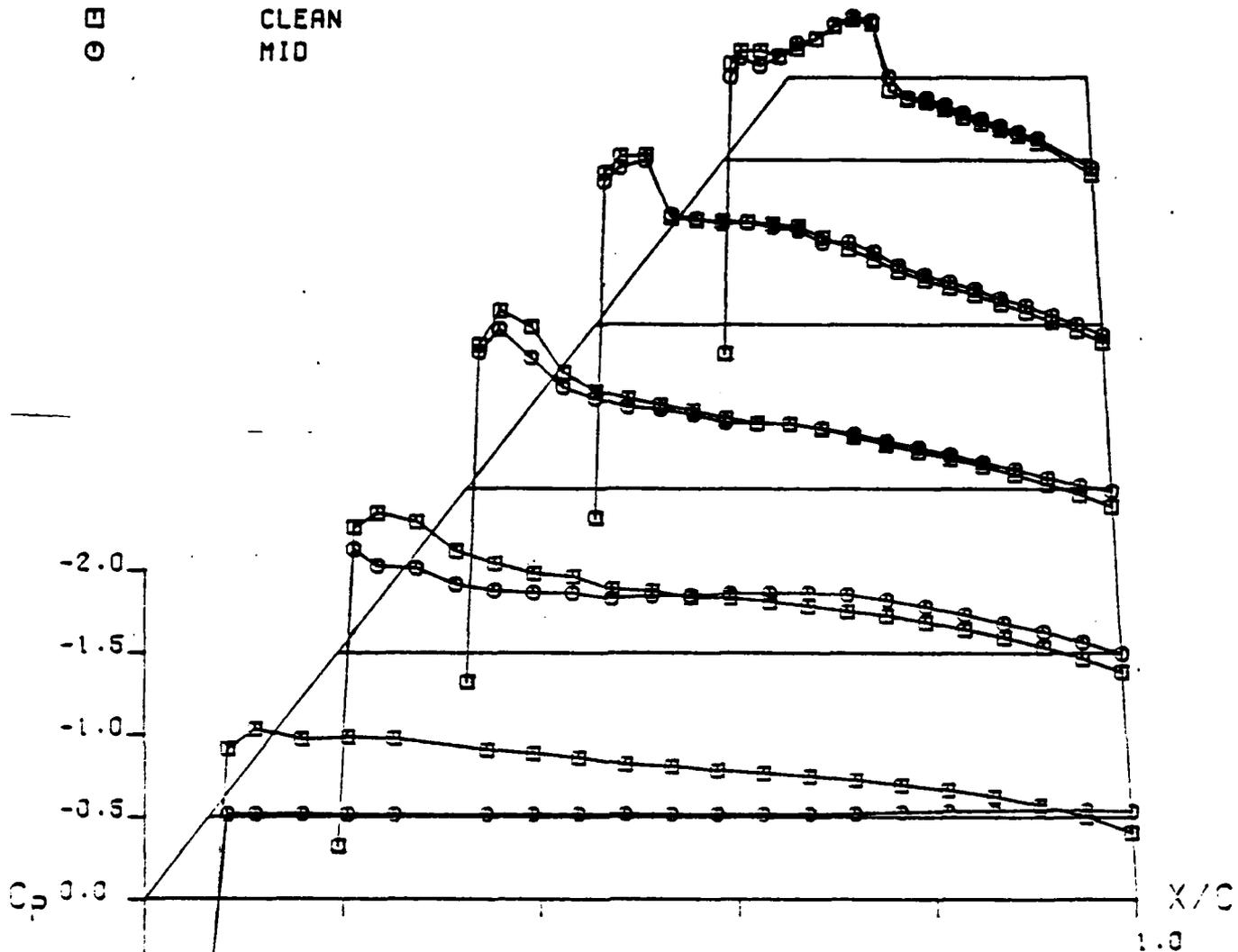
○ HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS HIGH (LWR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

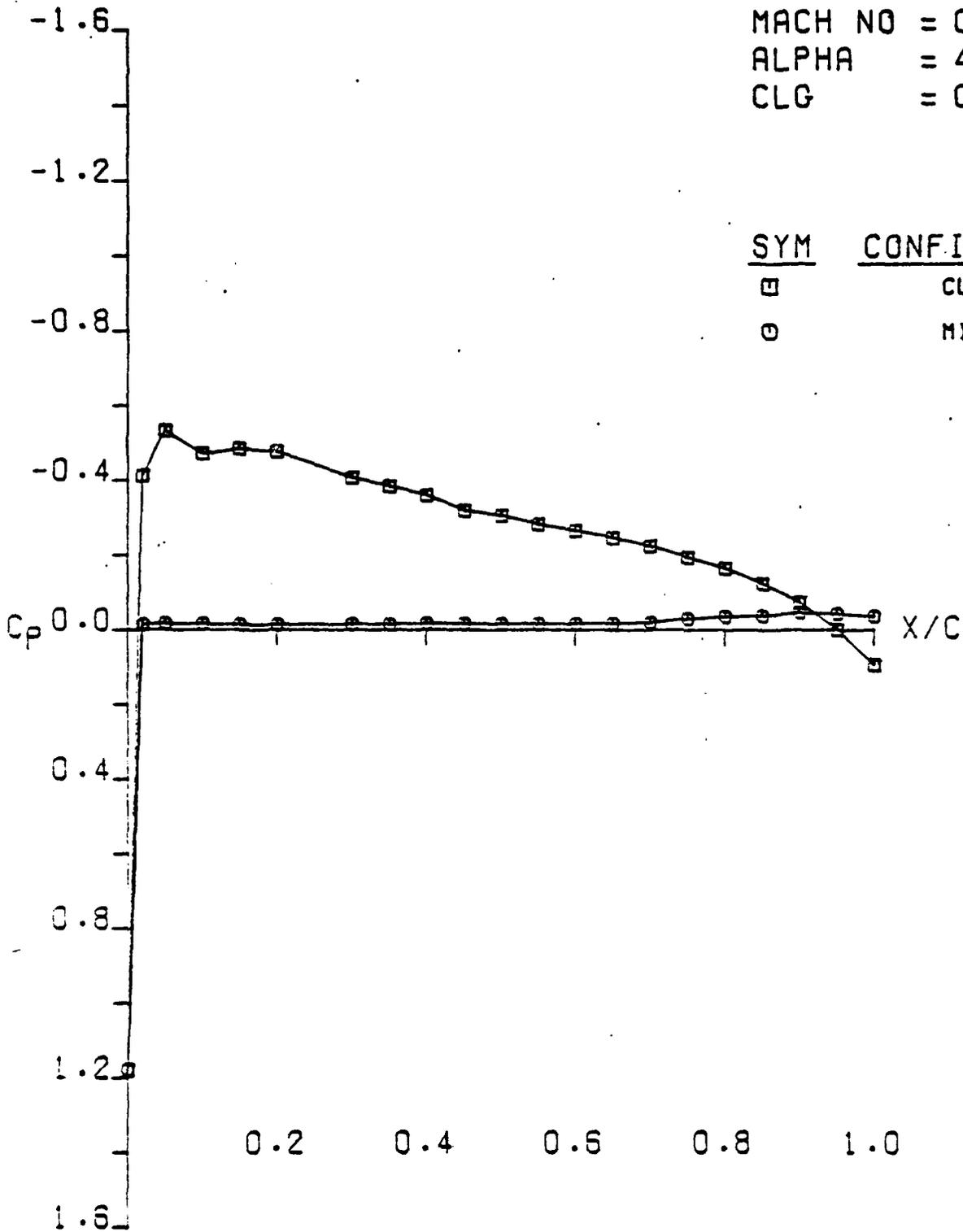
□ CLEAN
 ○ MID



CONDITIONS

MACH NO = 0.820
 ALPHA = 4.922
 CL = 0.474
 CD = 0.040
 CM = -0.073
 CLG = 0.474

LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (UPR SURF)
 NUMERICALLY OPTIMIZED WING C



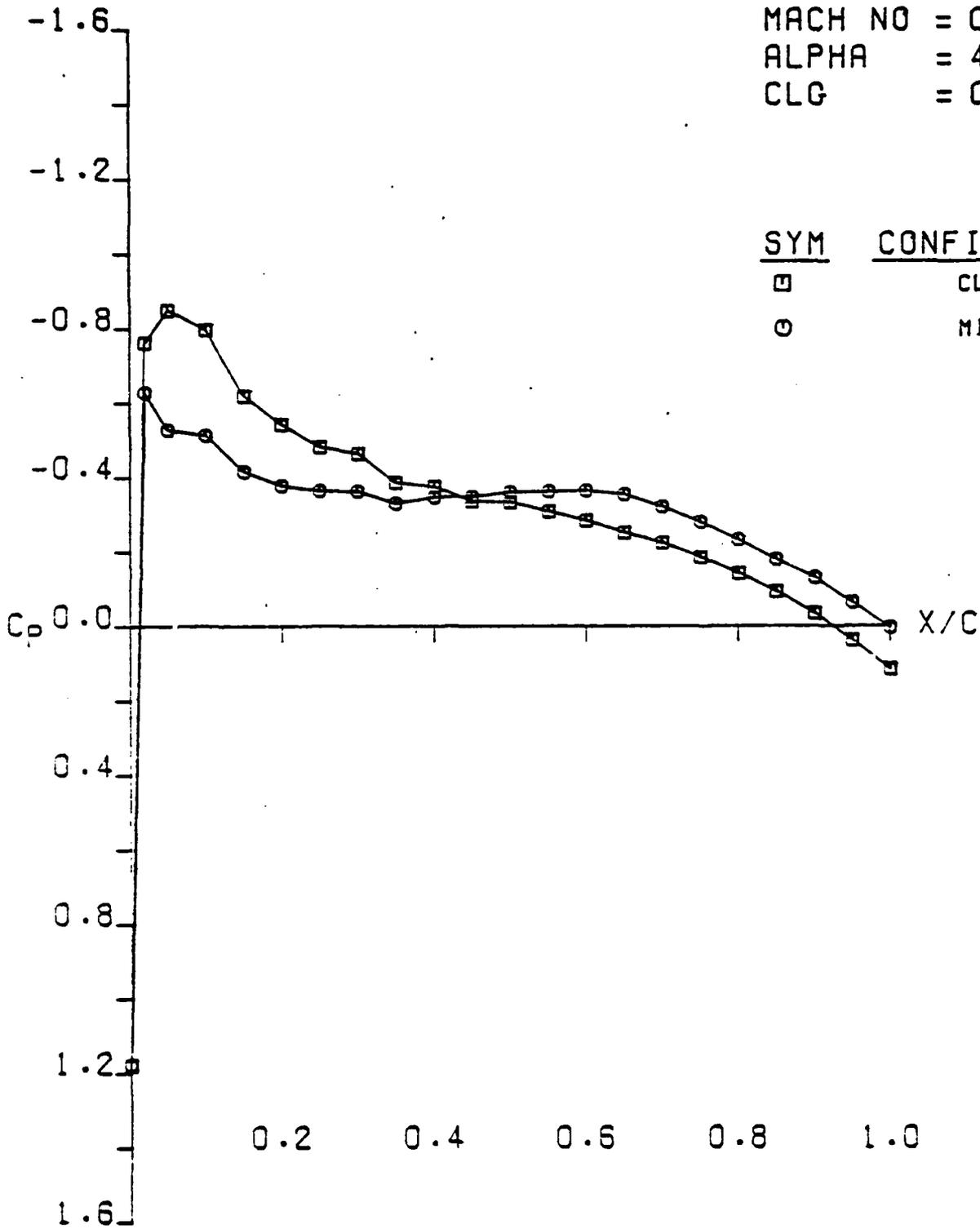
MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (UPR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

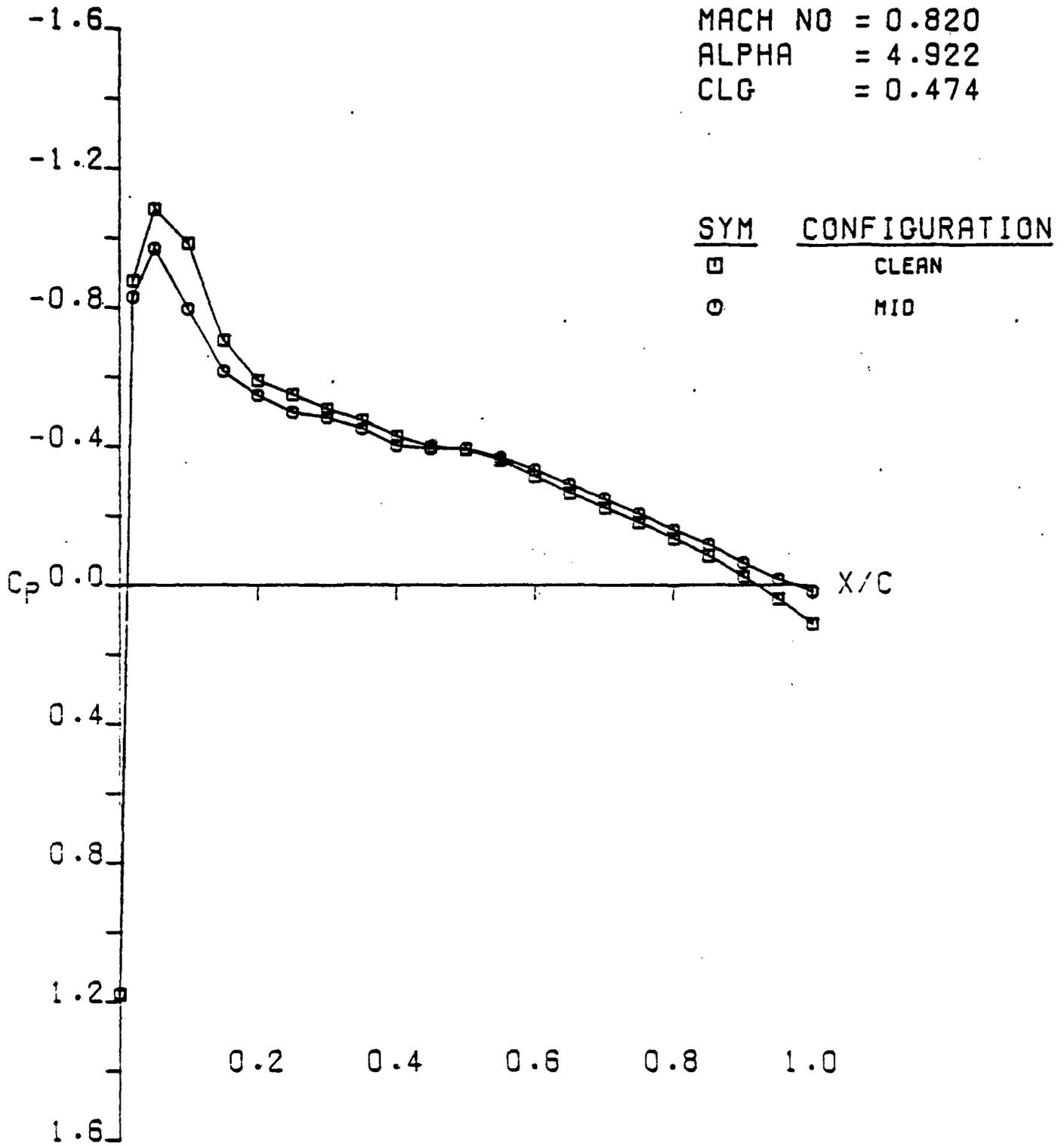
MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

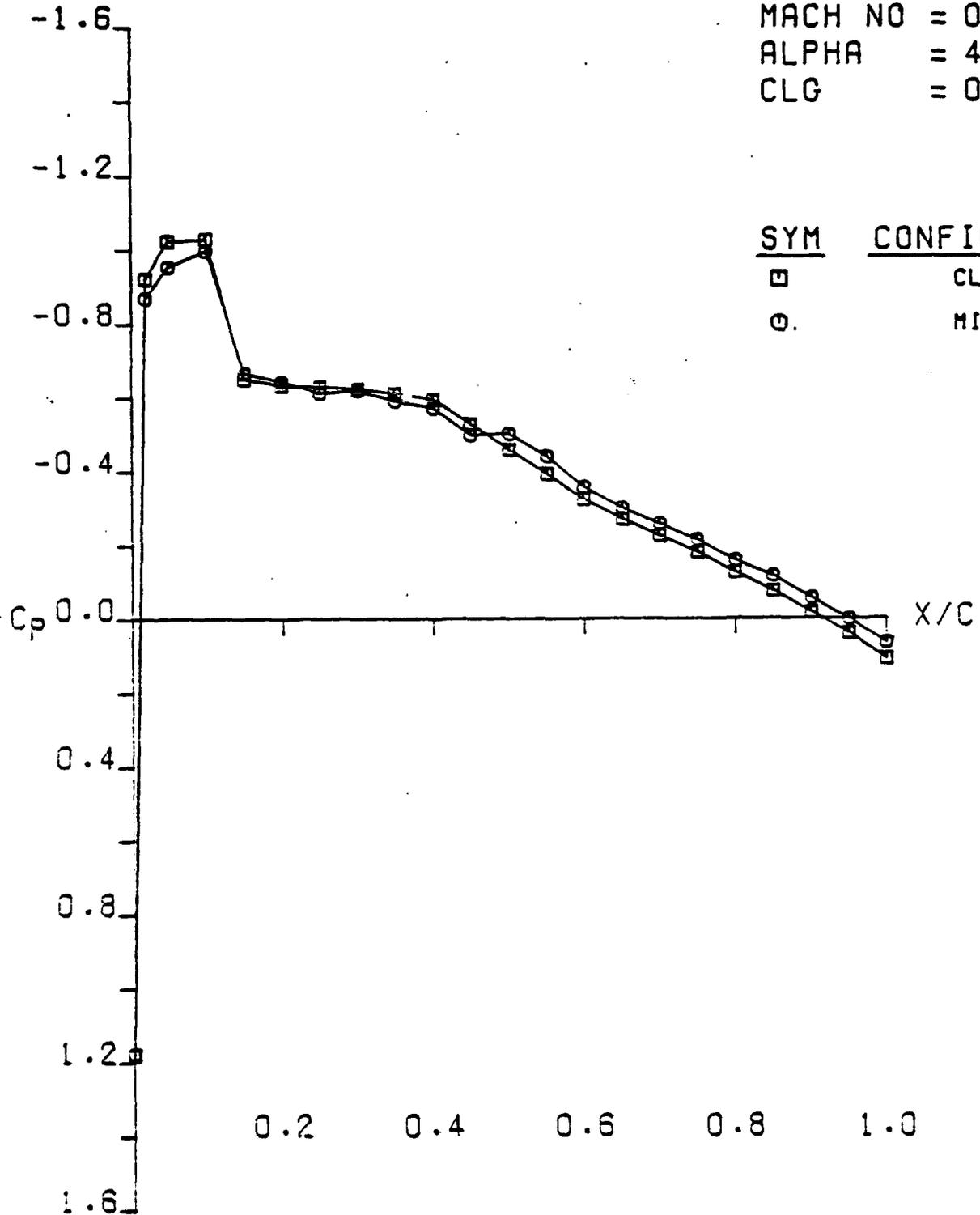
MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

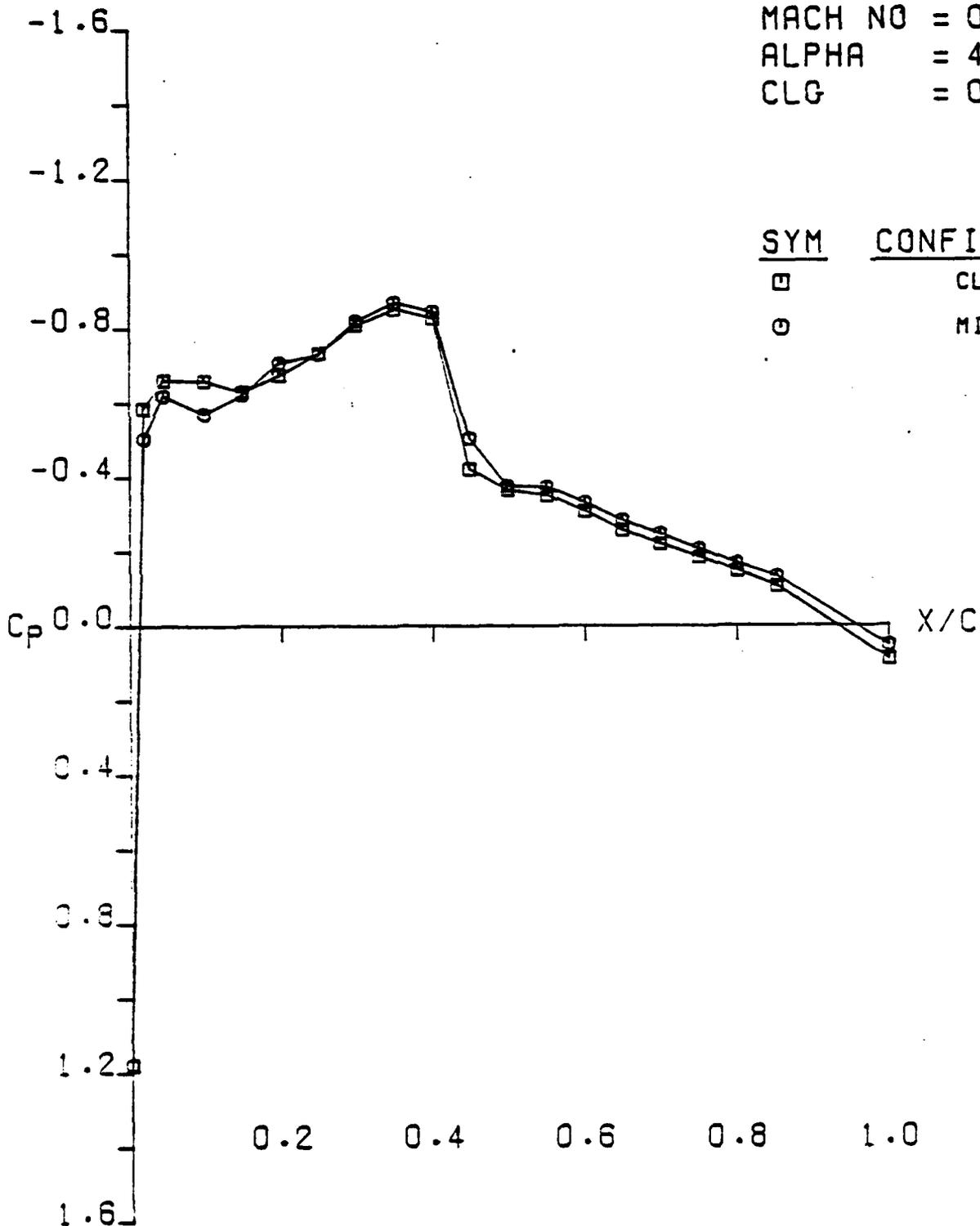
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

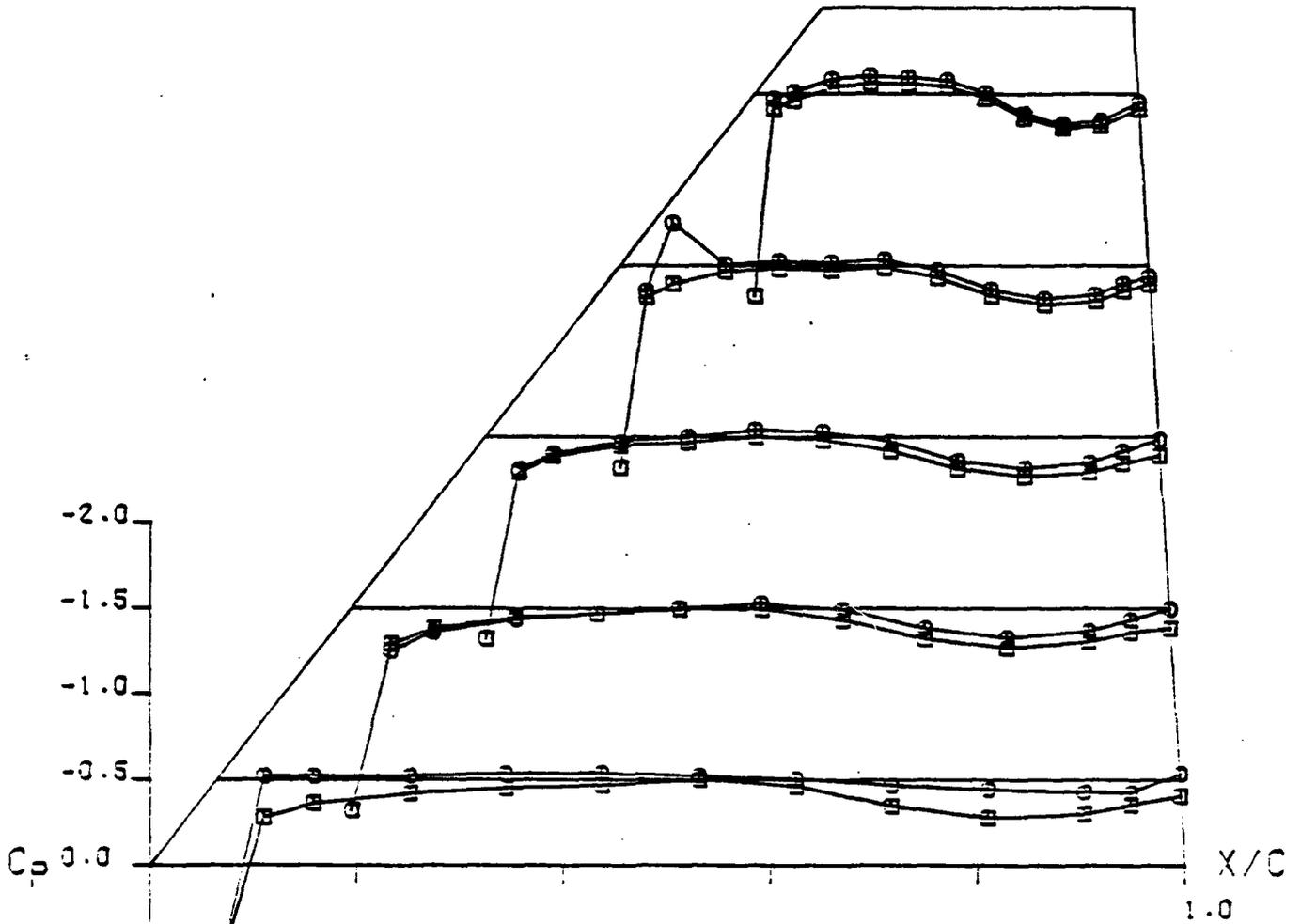


LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

CLEAN
MID



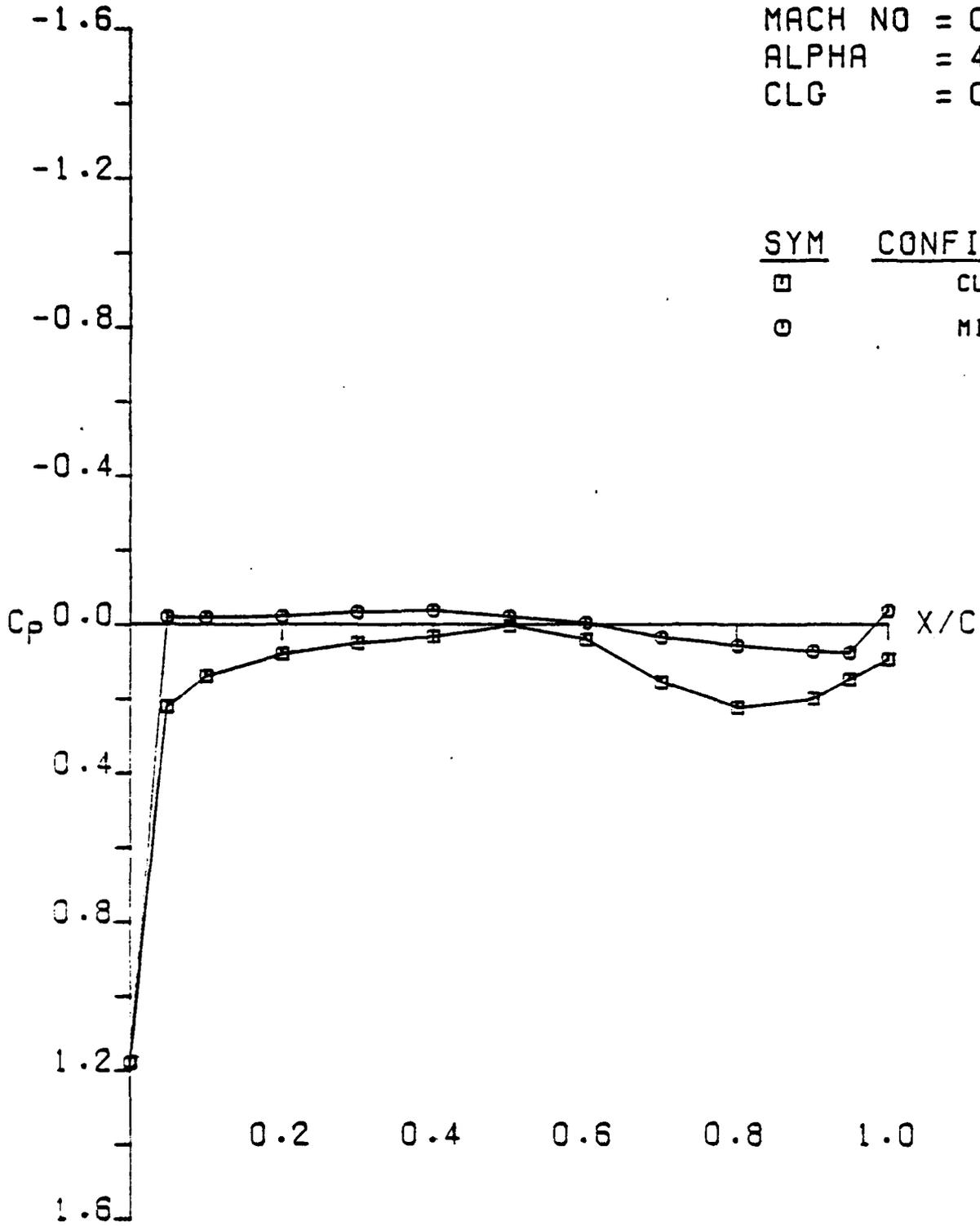
CONDITIONS

MACH NO = 0.820
 ALPHA = 4.322
 CL = 0.474
 CD = 0.040
 CM = -0.073
 CLG = 0.474

LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (LWR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

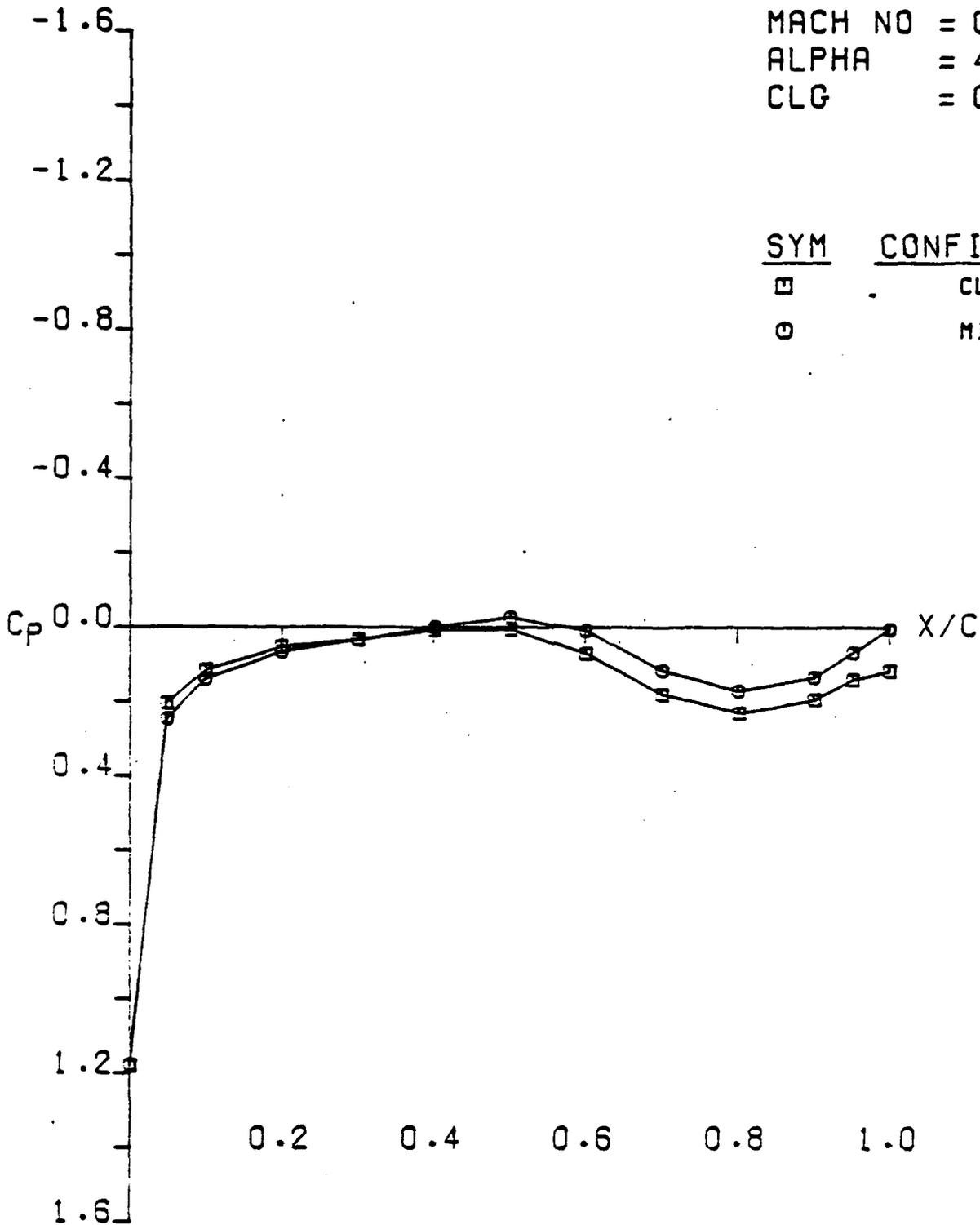
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

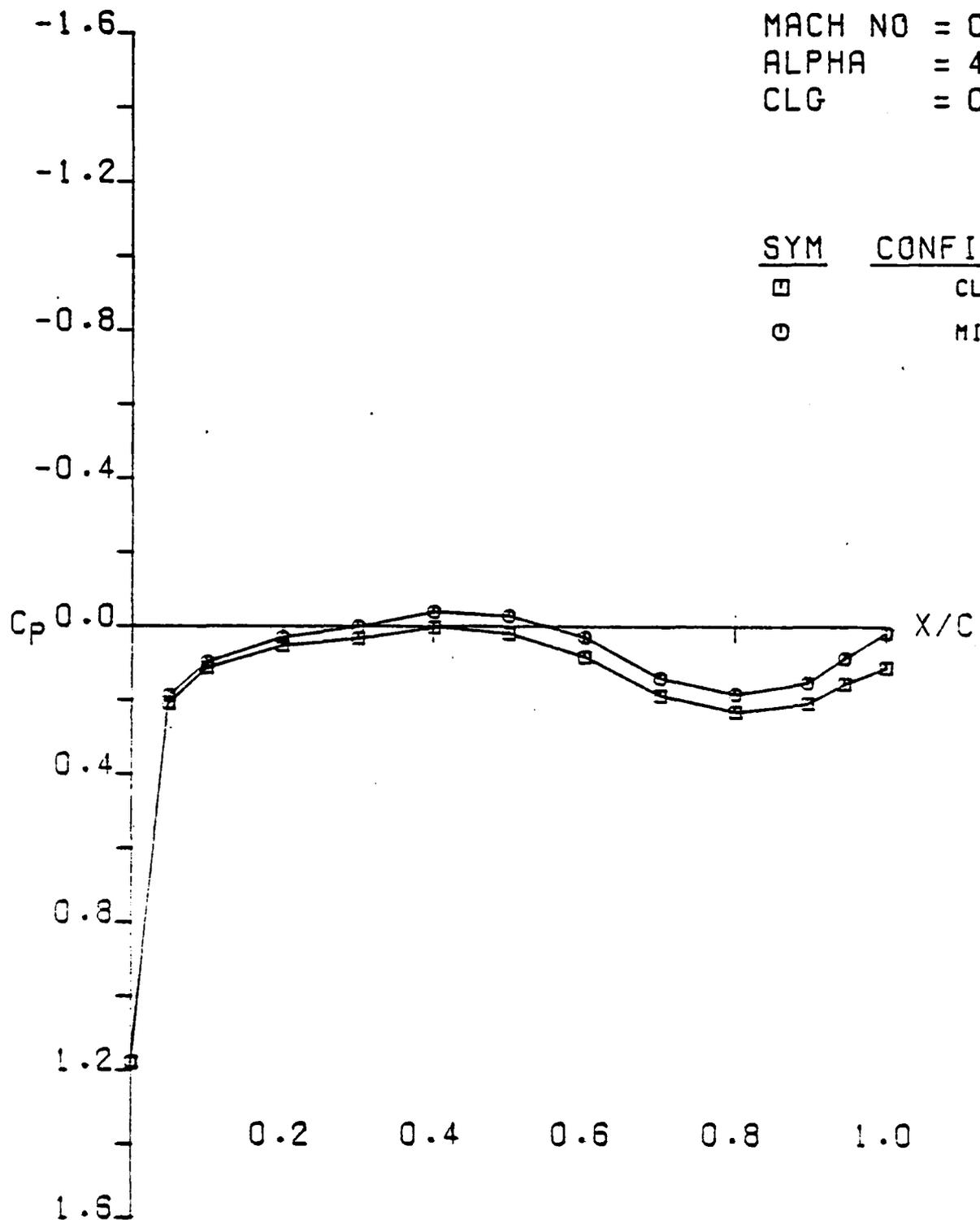
SYM	CONFIGURATION
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

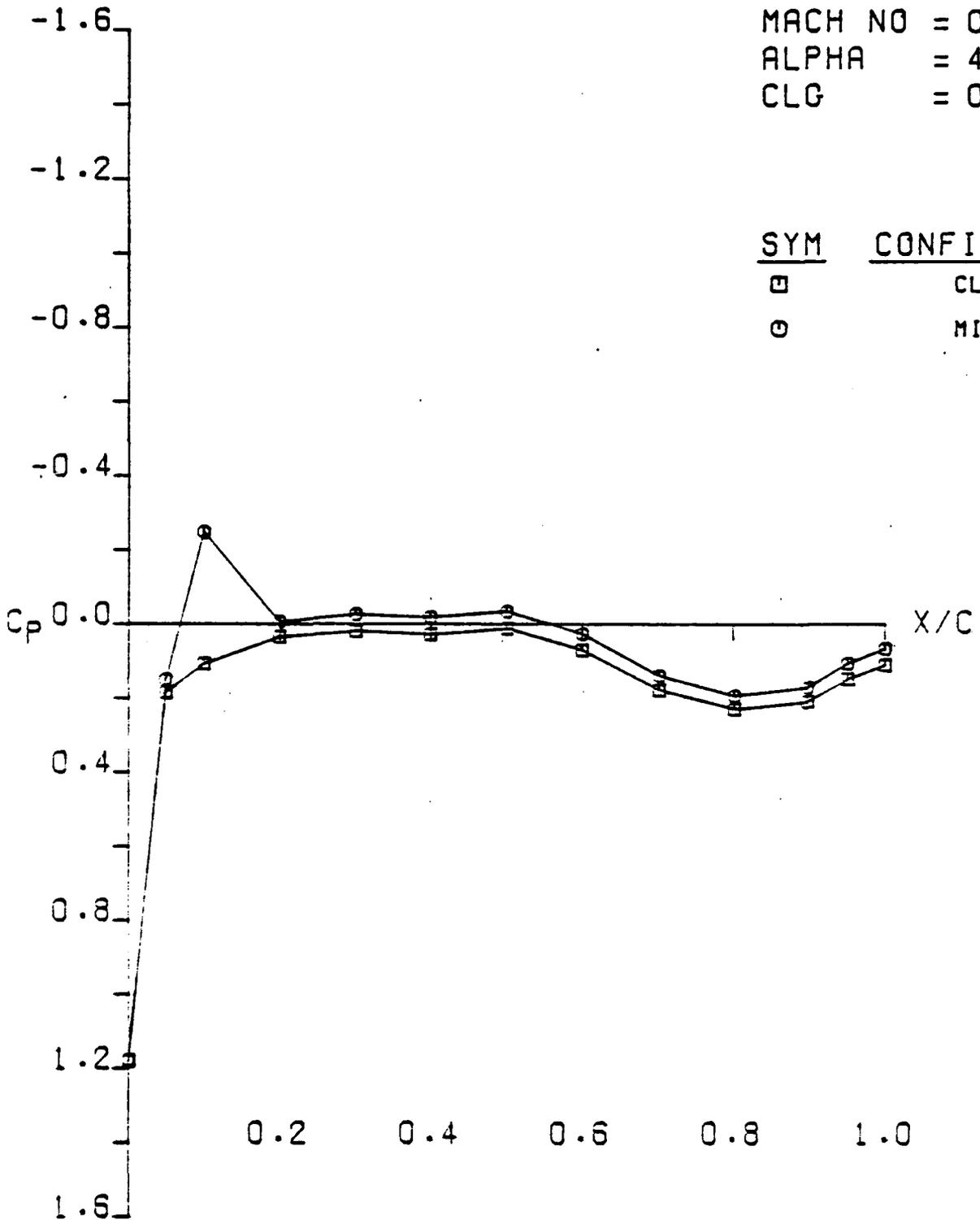
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

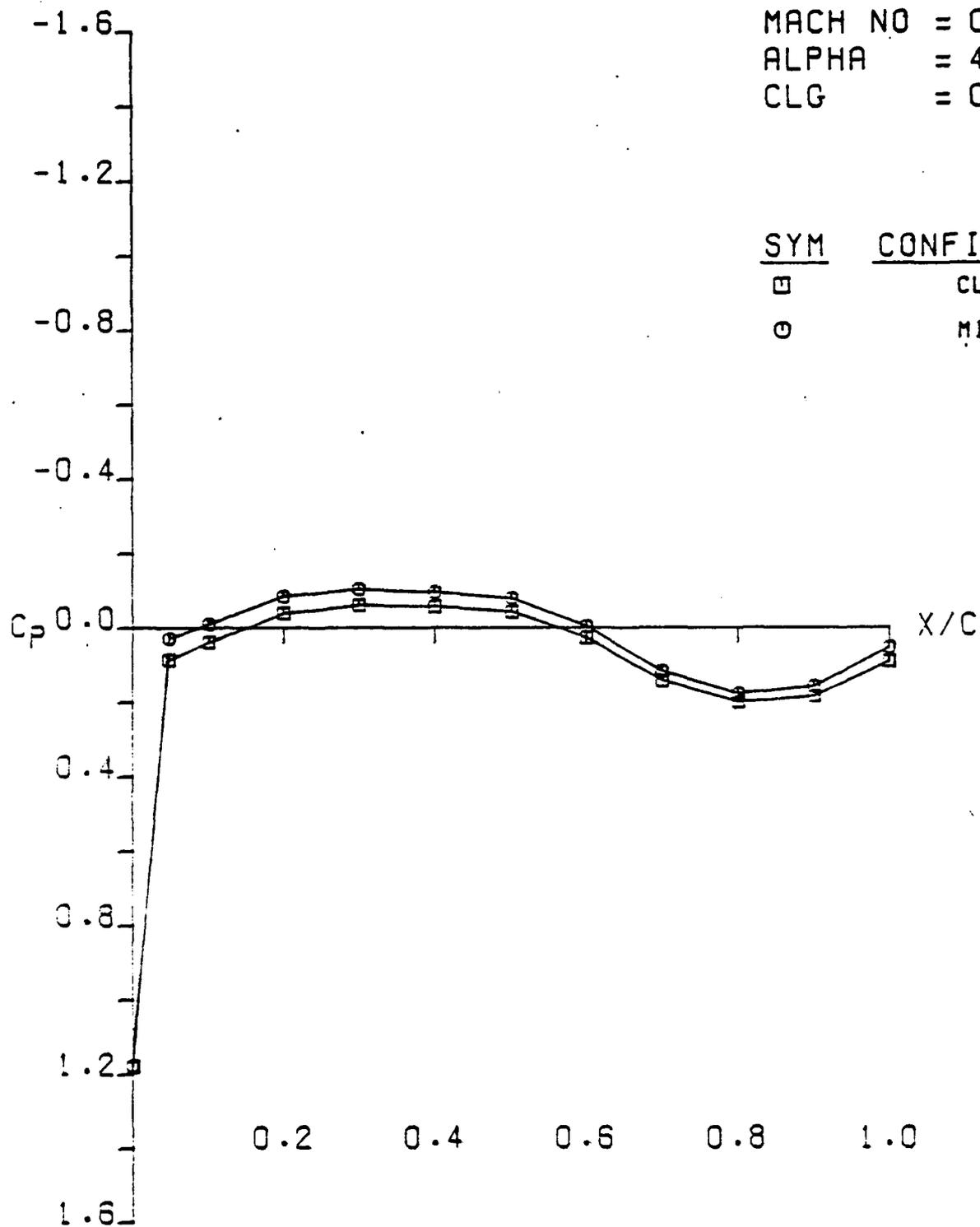
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

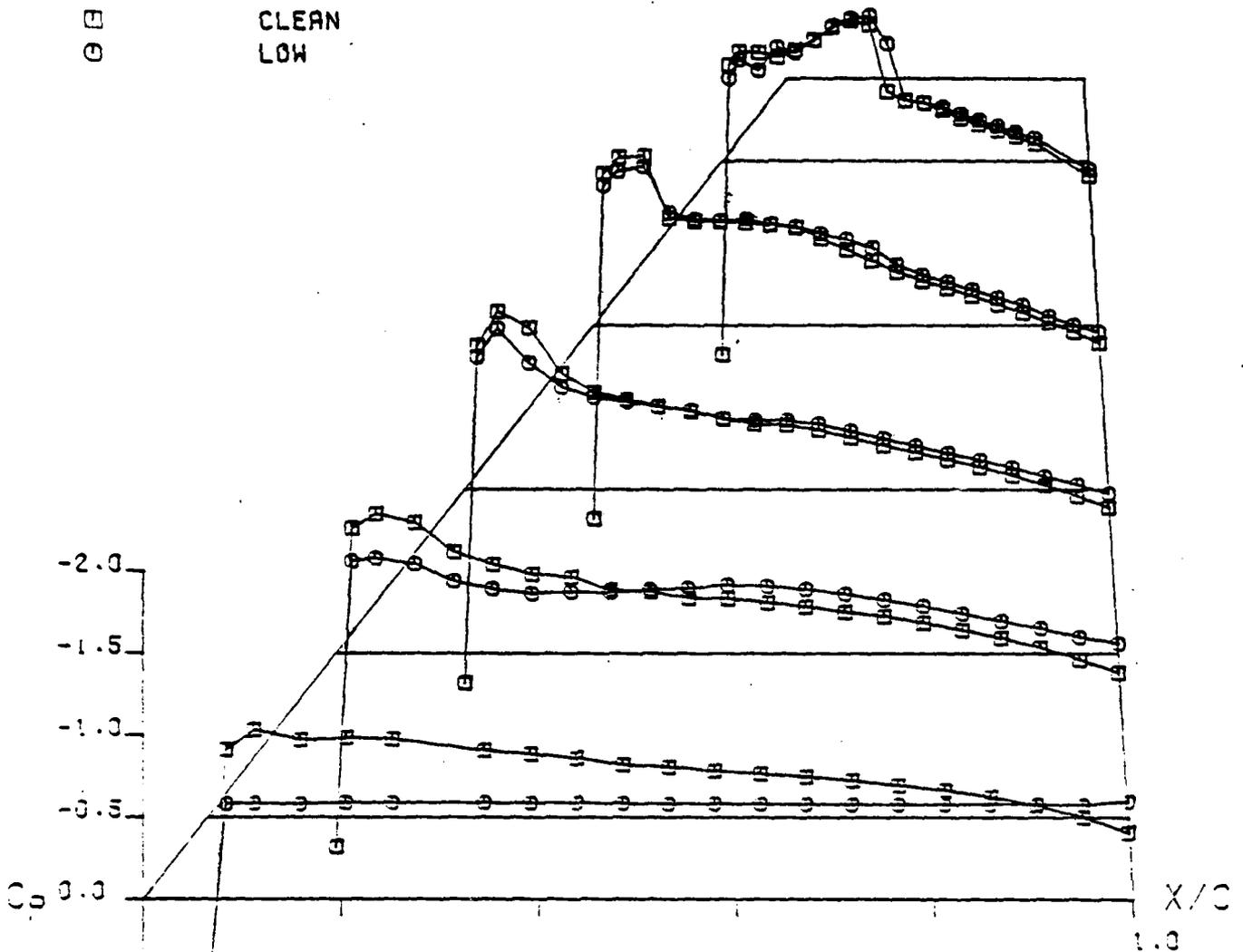
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS MID - NO SEAL (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□ CLEAN
 ○ LOW



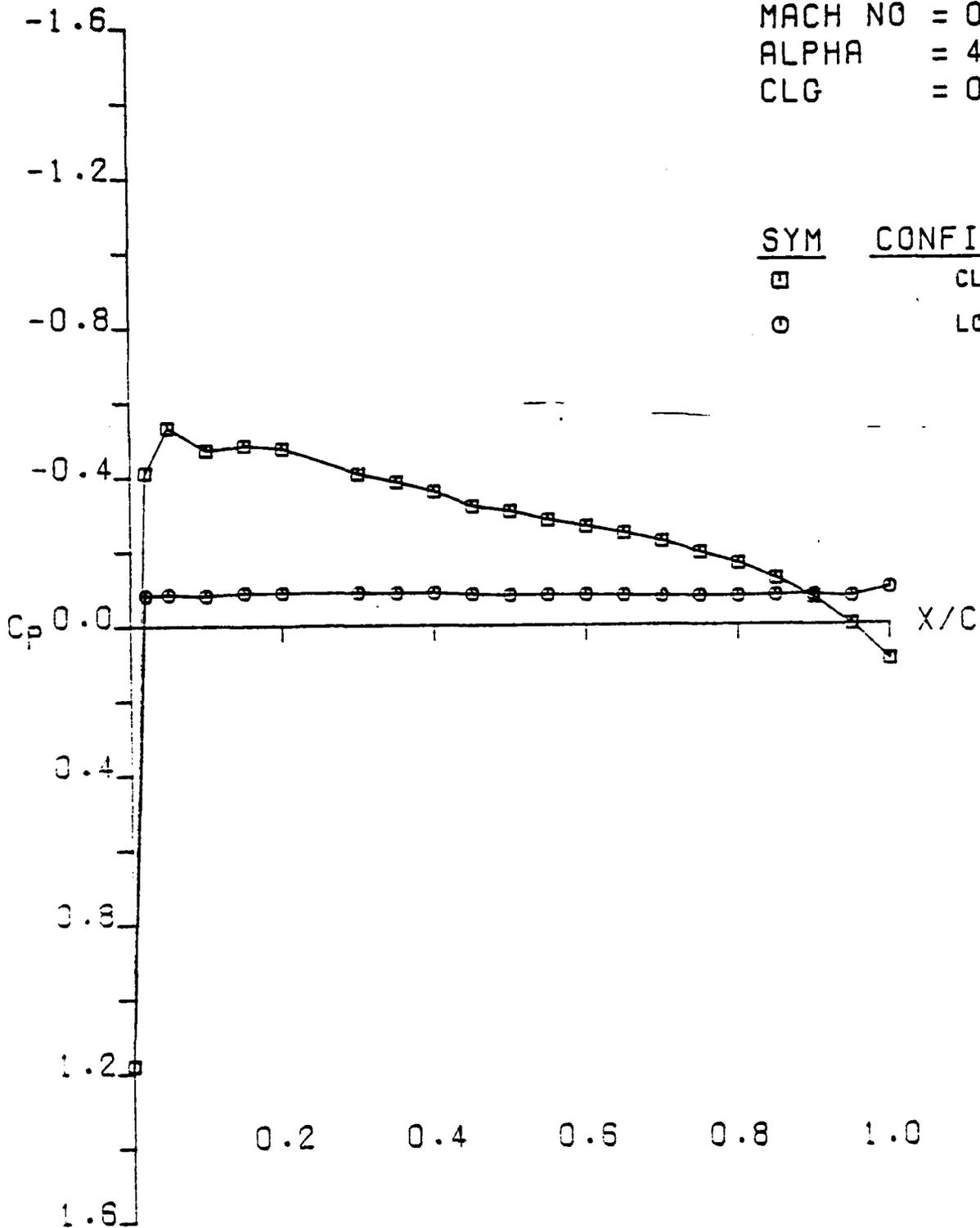
CONDITIONS

MACH NO = 0.920
 ALPHA = 4.922
 CL = 0.474
 CD = 0.040
 CM = -0.073
 CLG = 0.474

LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (UPR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
ALPHA = 4.922
CLG = 0.474

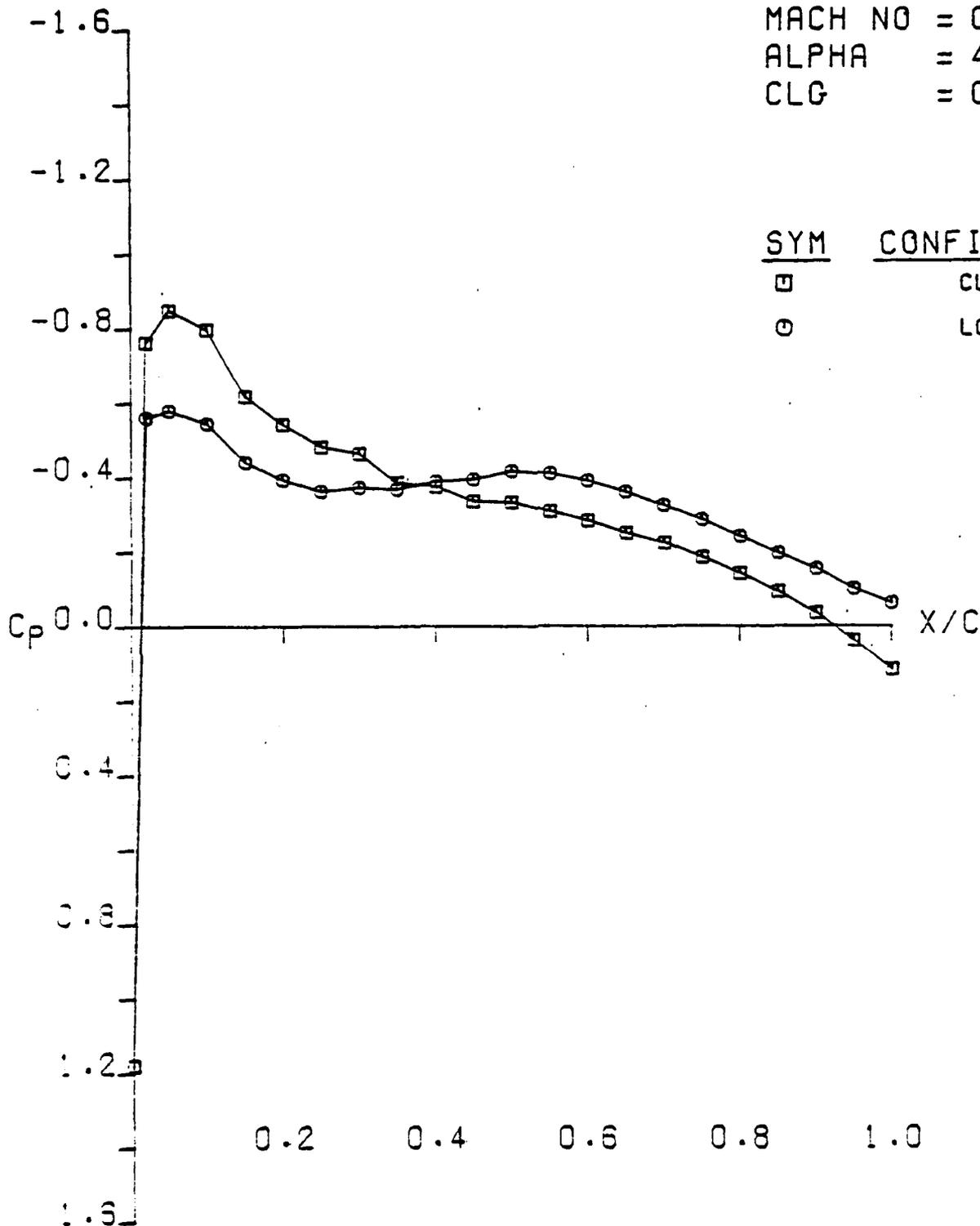
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
CLN VS LOW (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

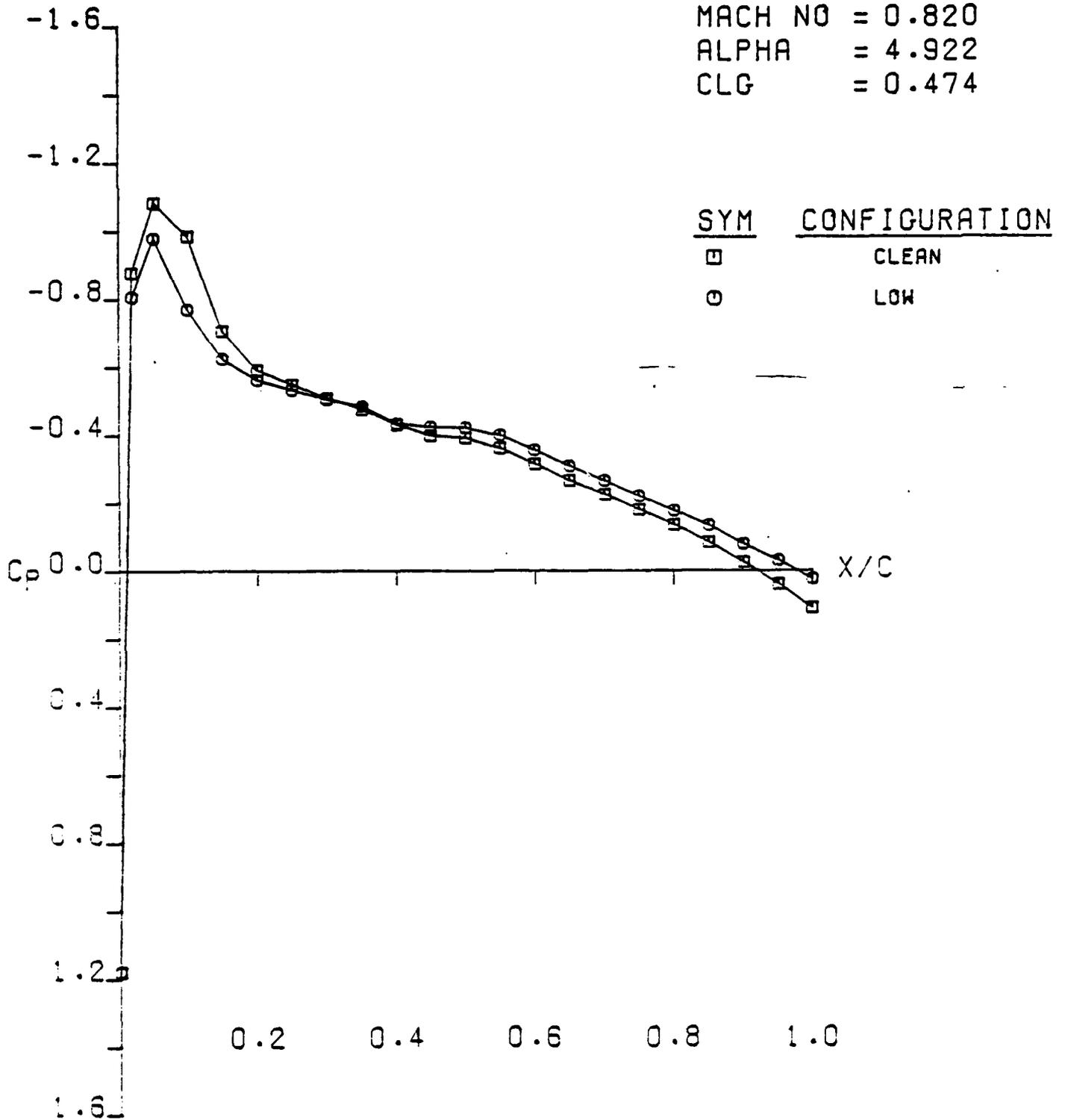
MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

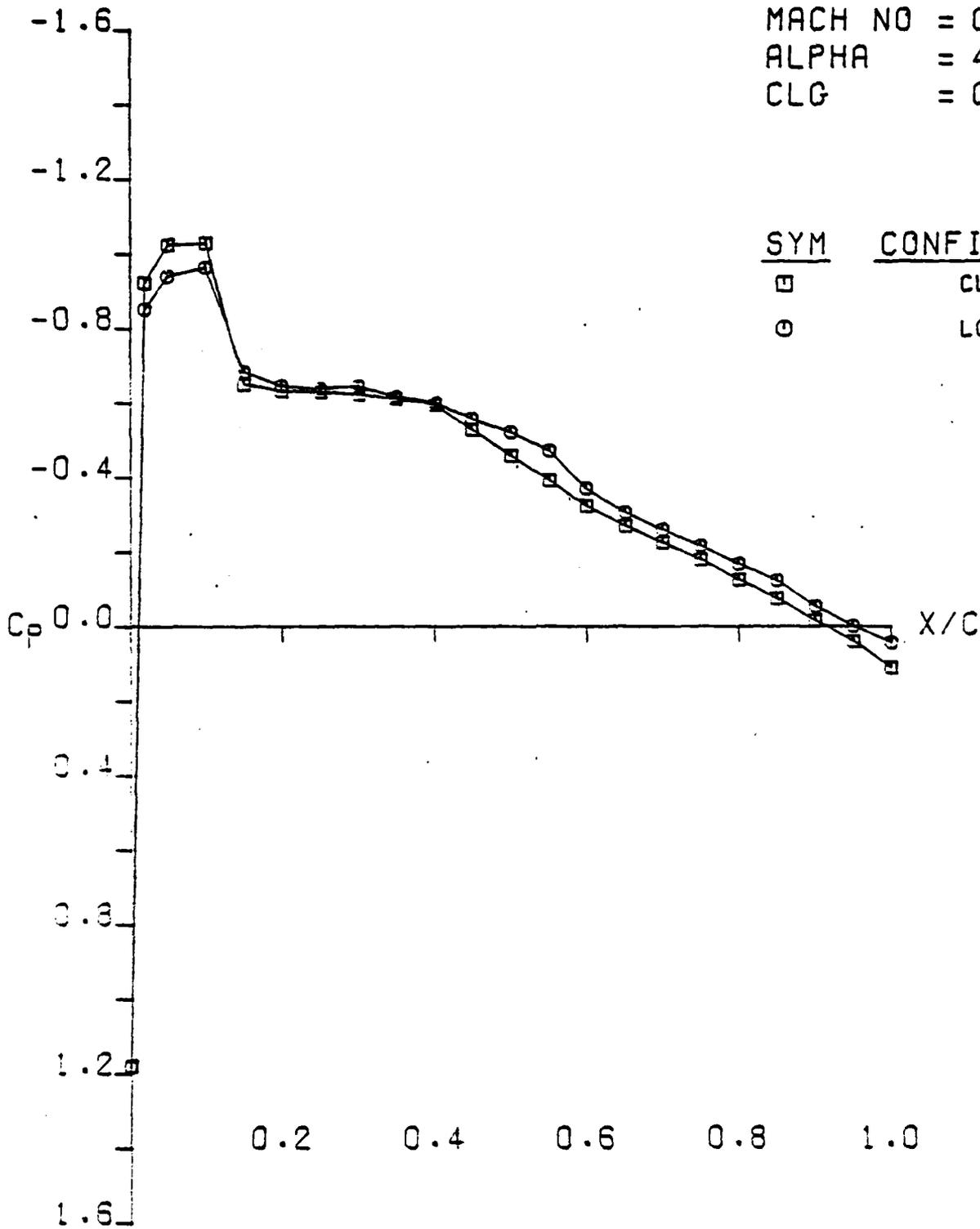
MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

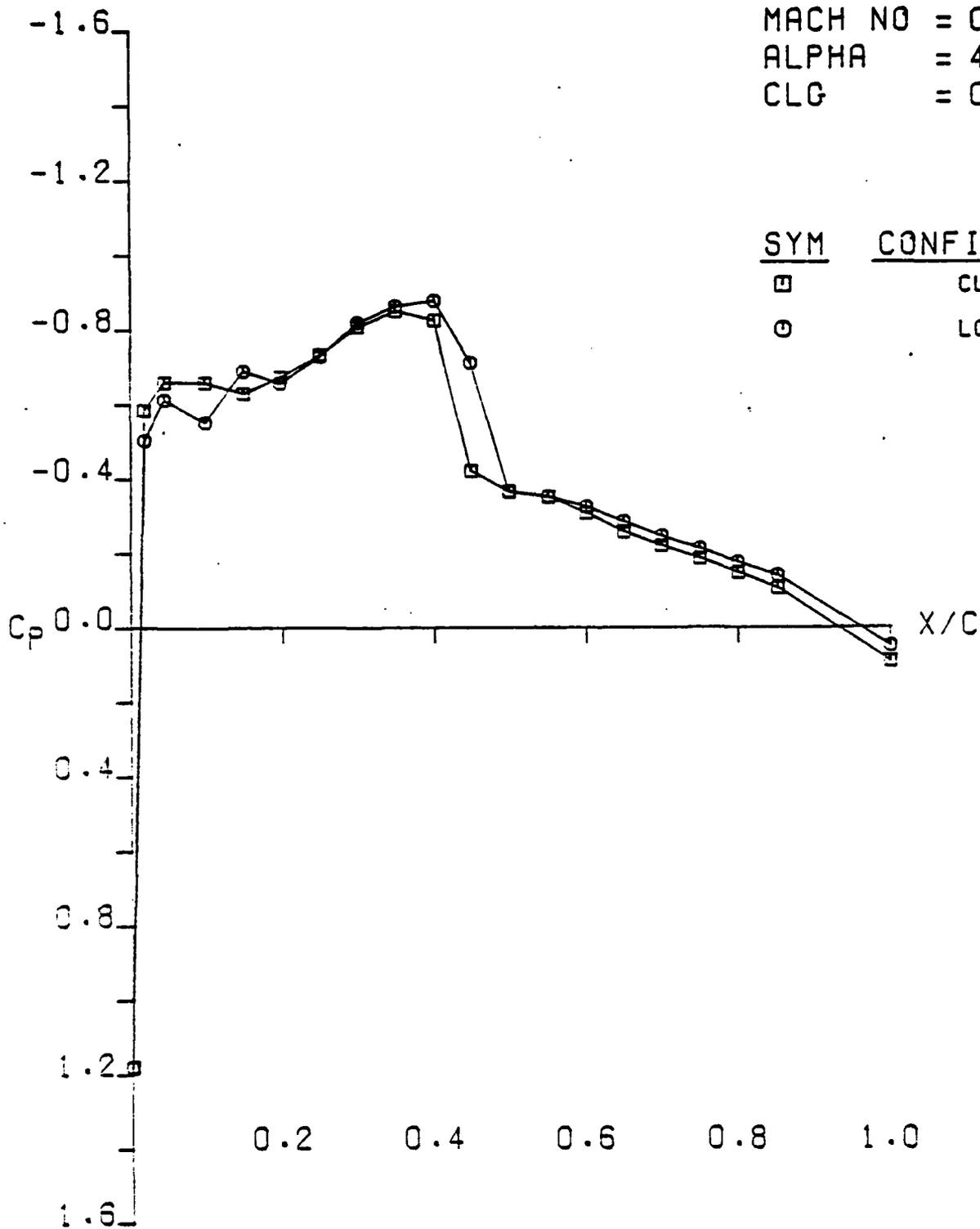
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

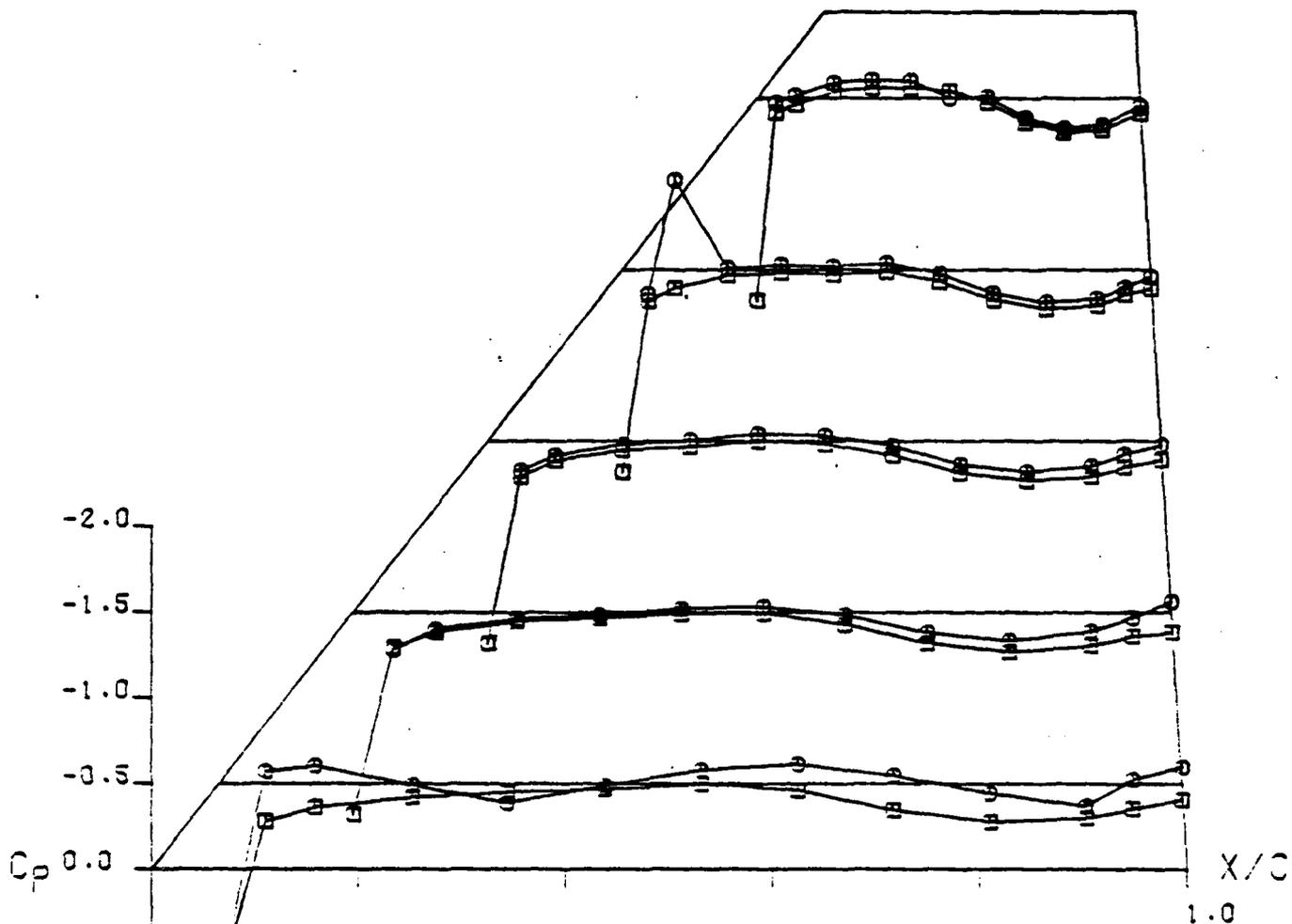
SYM	CONFIGURATION
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□ CLEAN
 ○ LOW



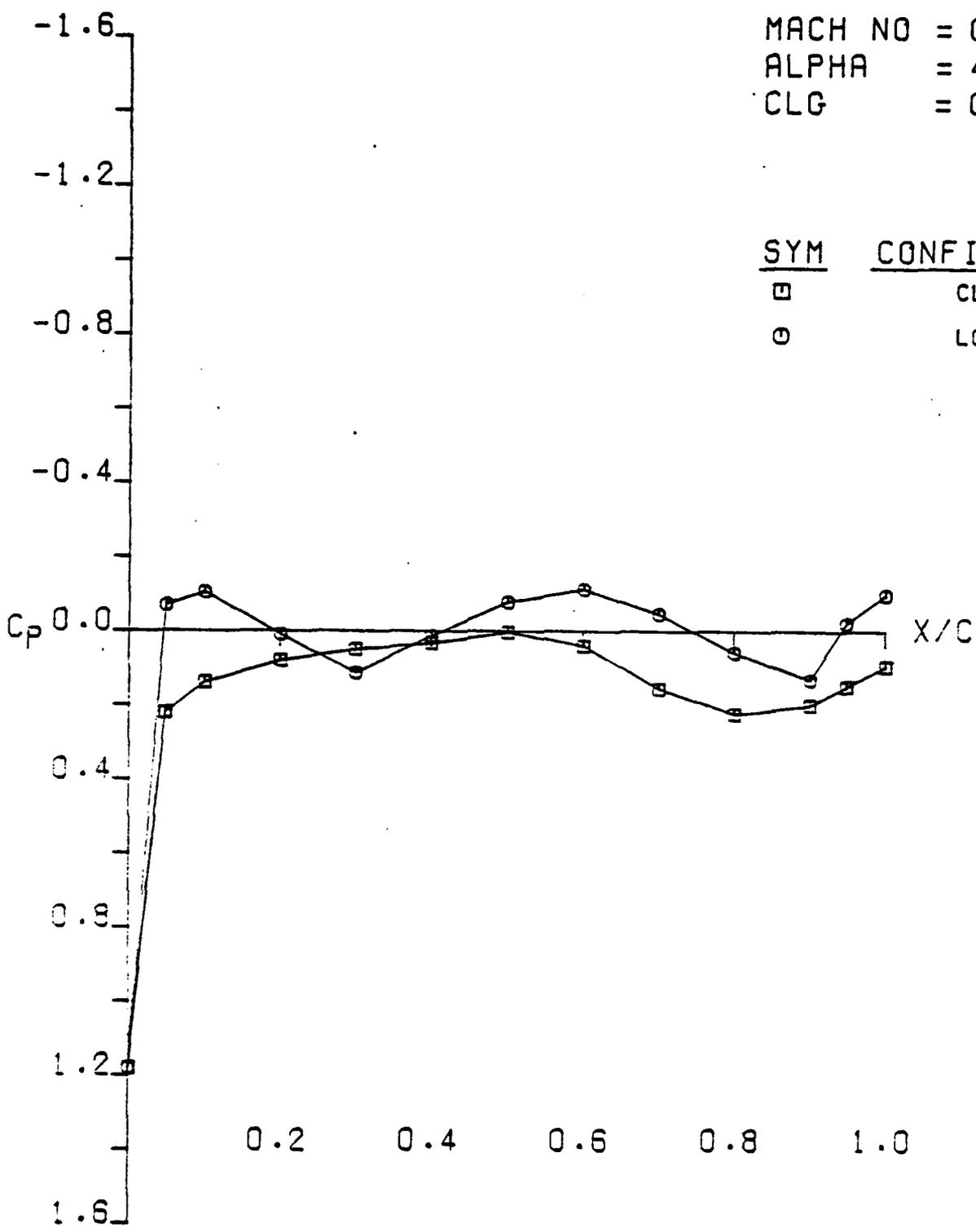
CONDITIONS

MACH NO = 0.820
 ALPHA = 4.922
 CL = 0.474
 CD = 0.040
 CM = -0.073
 CLG = 0.474

LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (LWR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

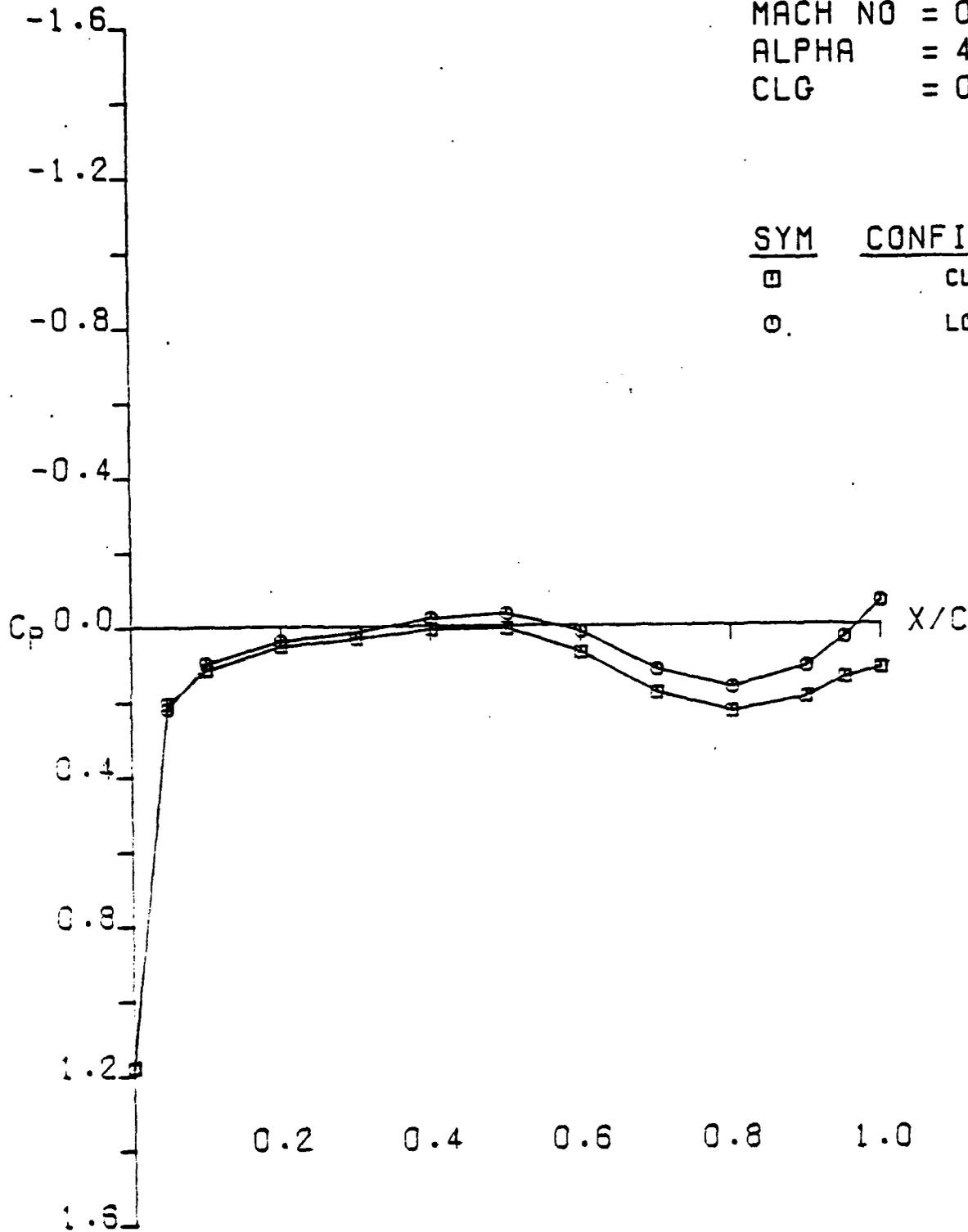
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

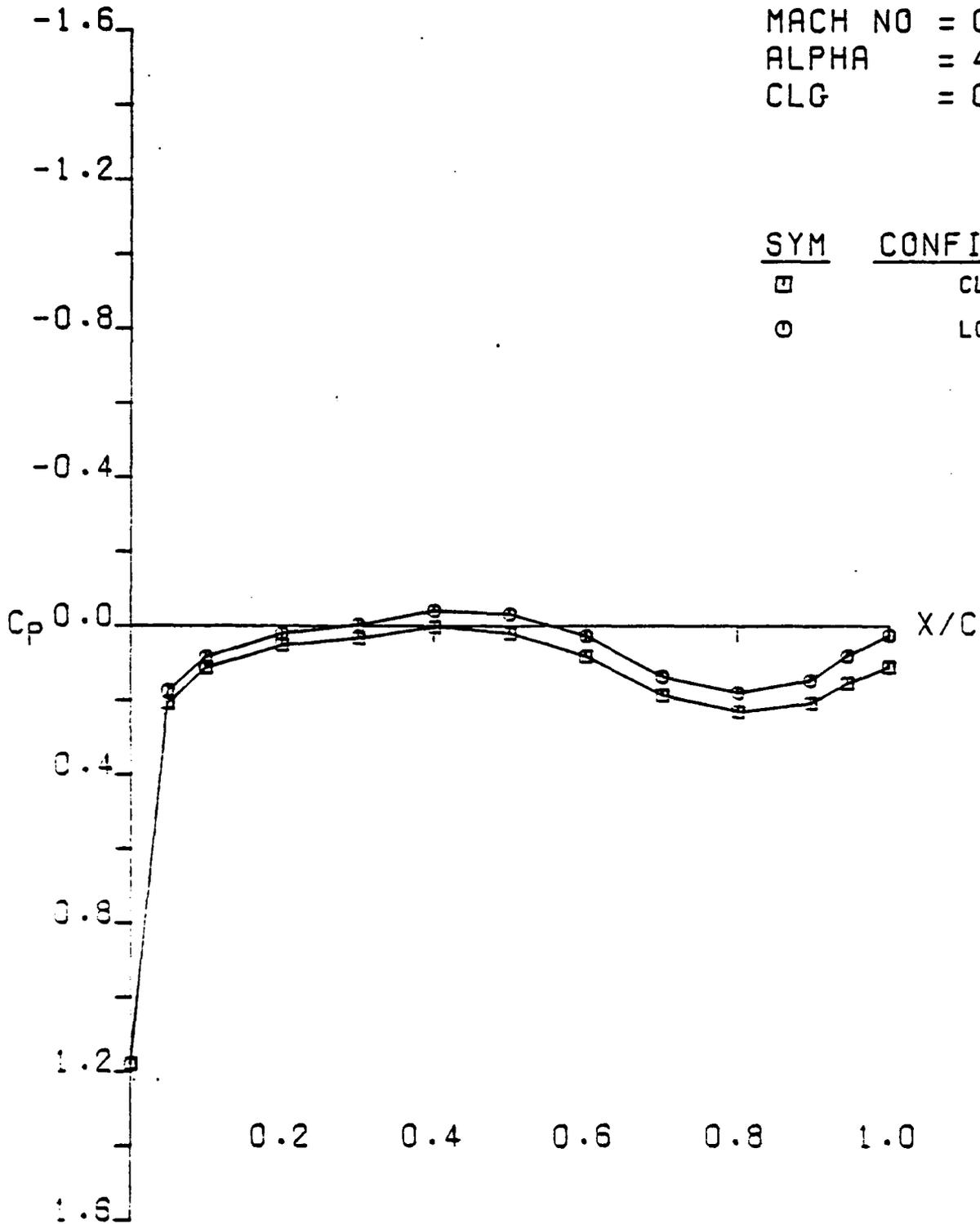
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

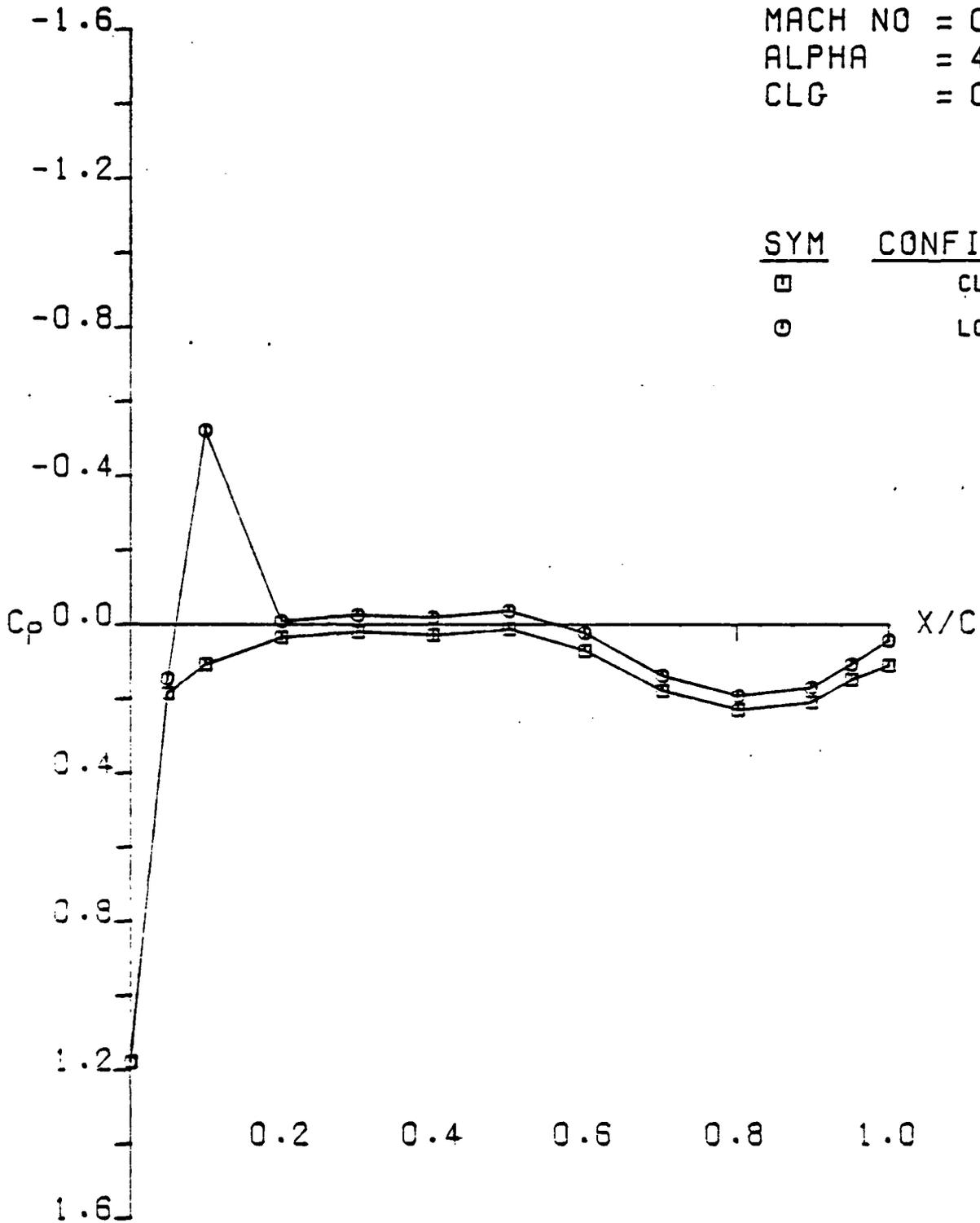
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

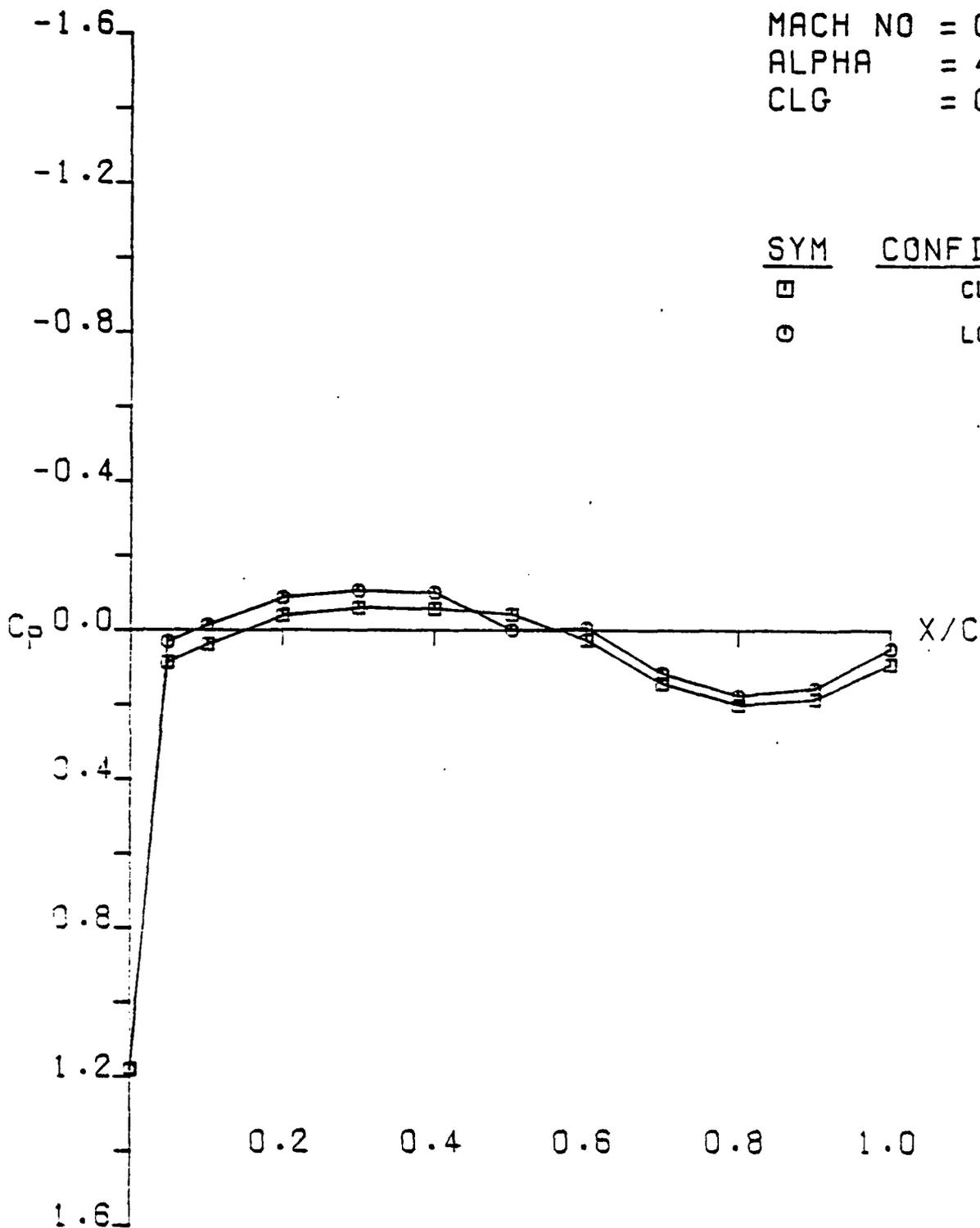
SYM	CONFIGURATION
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.820
 ALPHA = 4.922
 CLG = 0.474

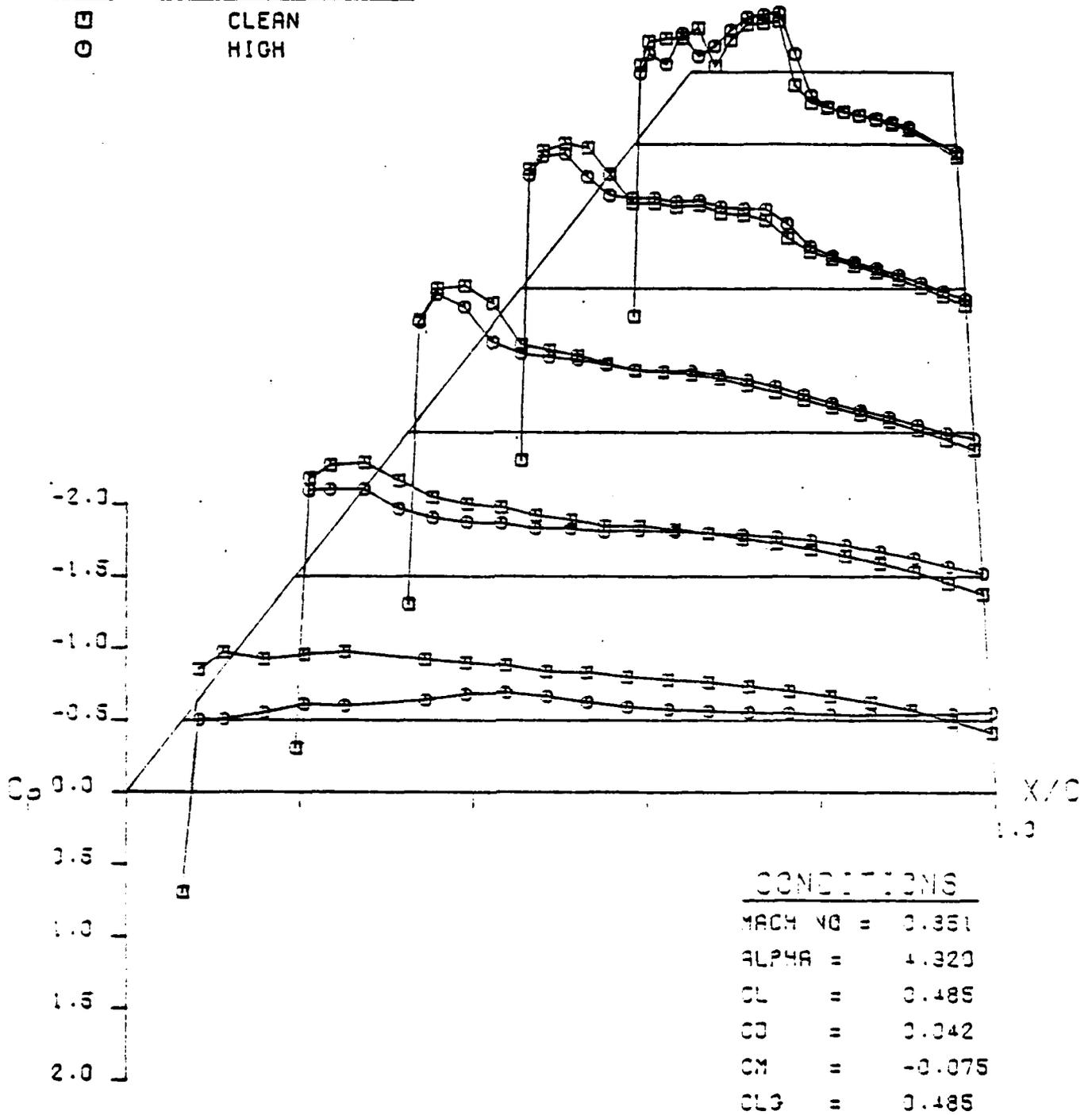
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 30
 CLN VS LOW (LWR SURF ETR .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

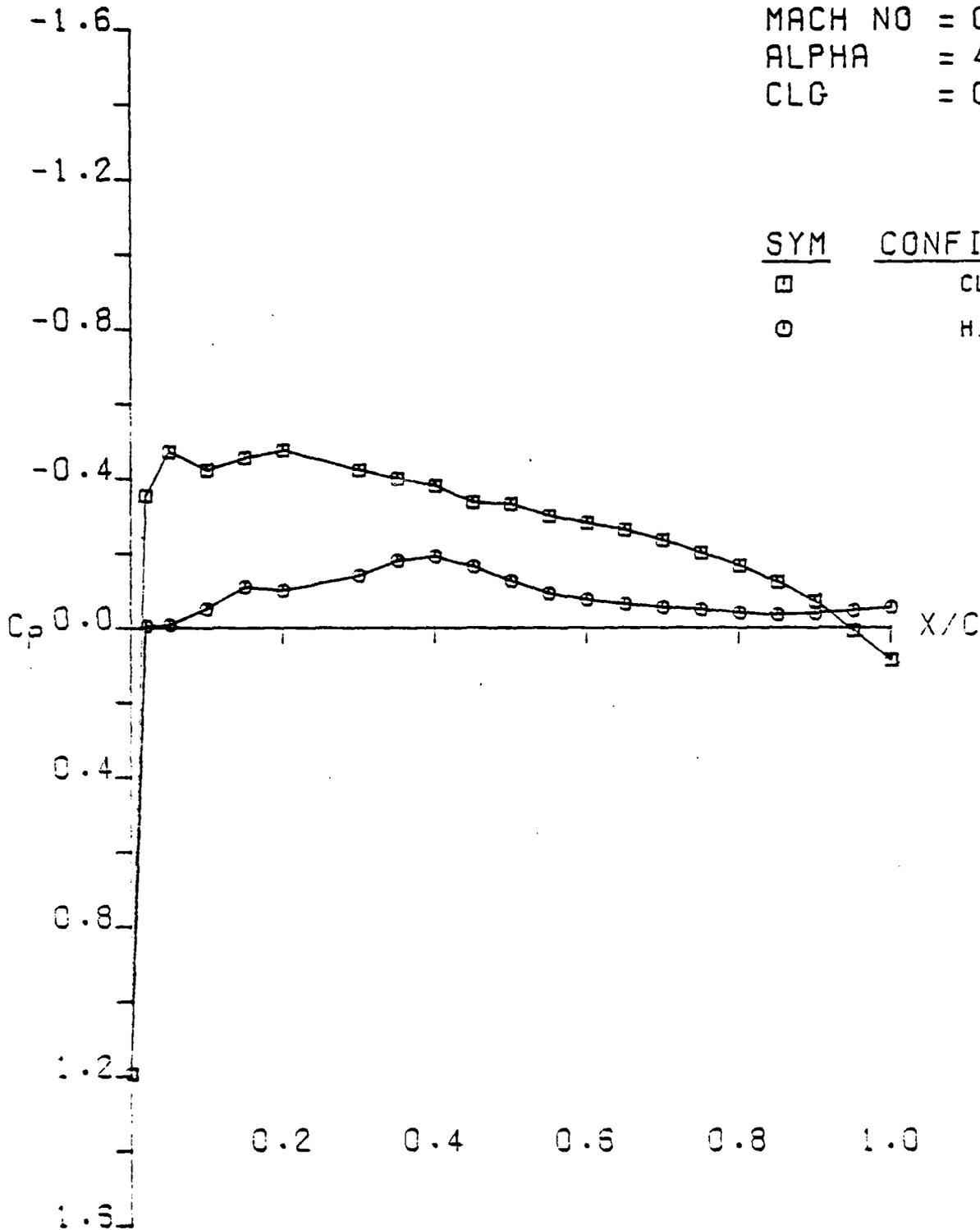
□ CLEAN
 ○ HIGH



LOCKHEED CPWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (UPR SURF)
 NUMERICALLY OPTIMIZED WING C

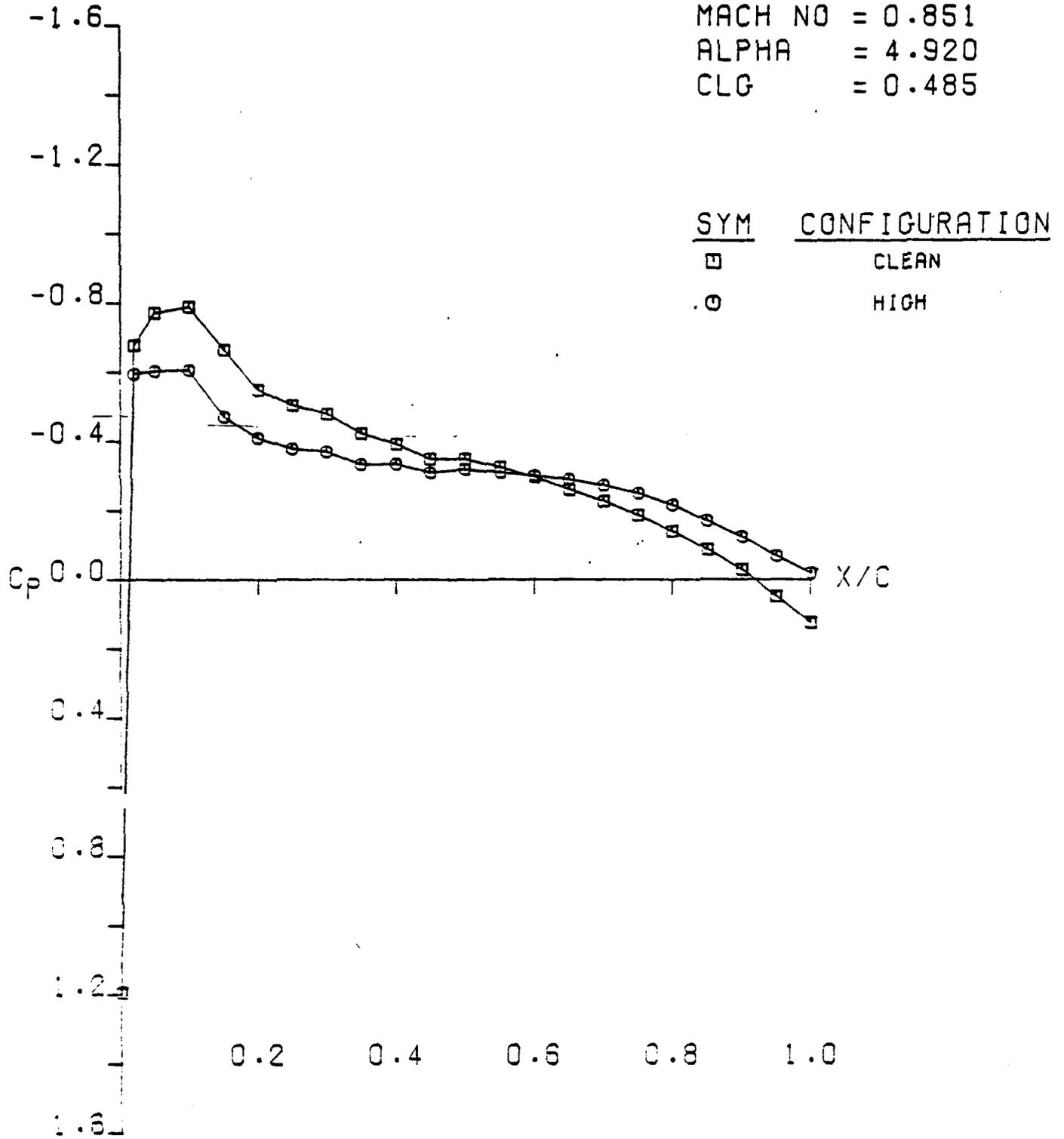
MACH NO = 0.851
ALPHA = 4.920
CLG = 0.485

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS HIGH (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

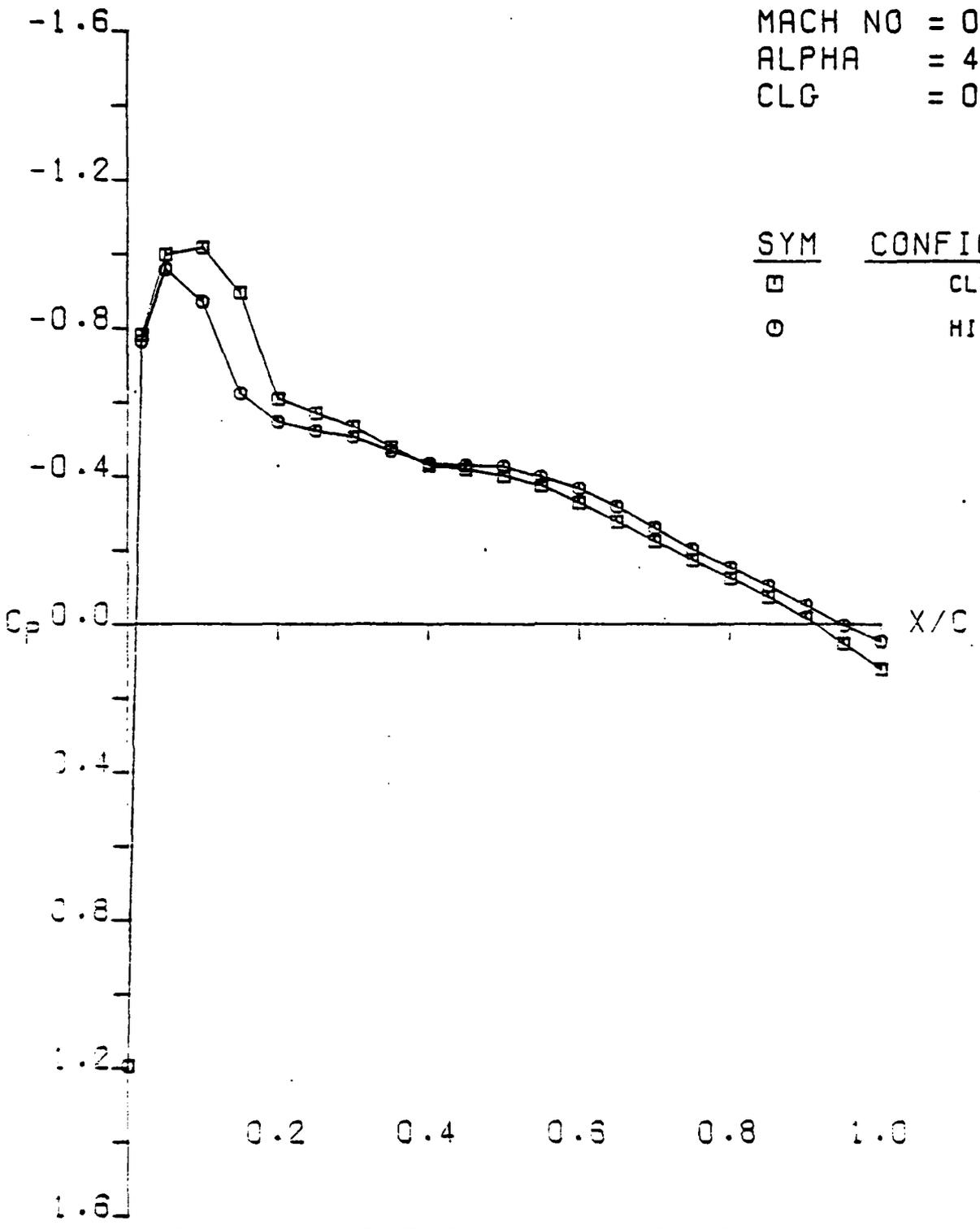
MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (UPR SURF ETA :30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

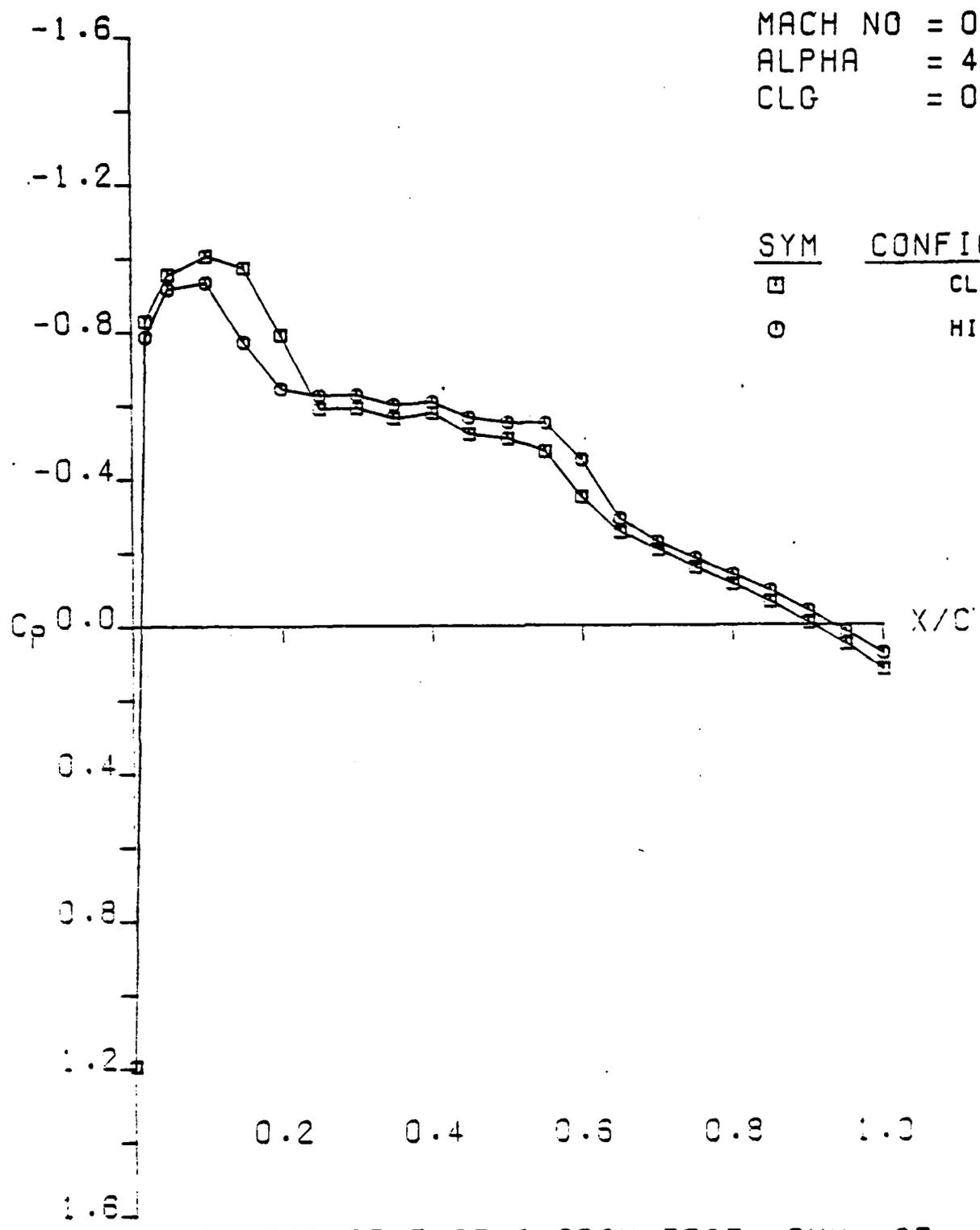
SYM	CONFIGURATION
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

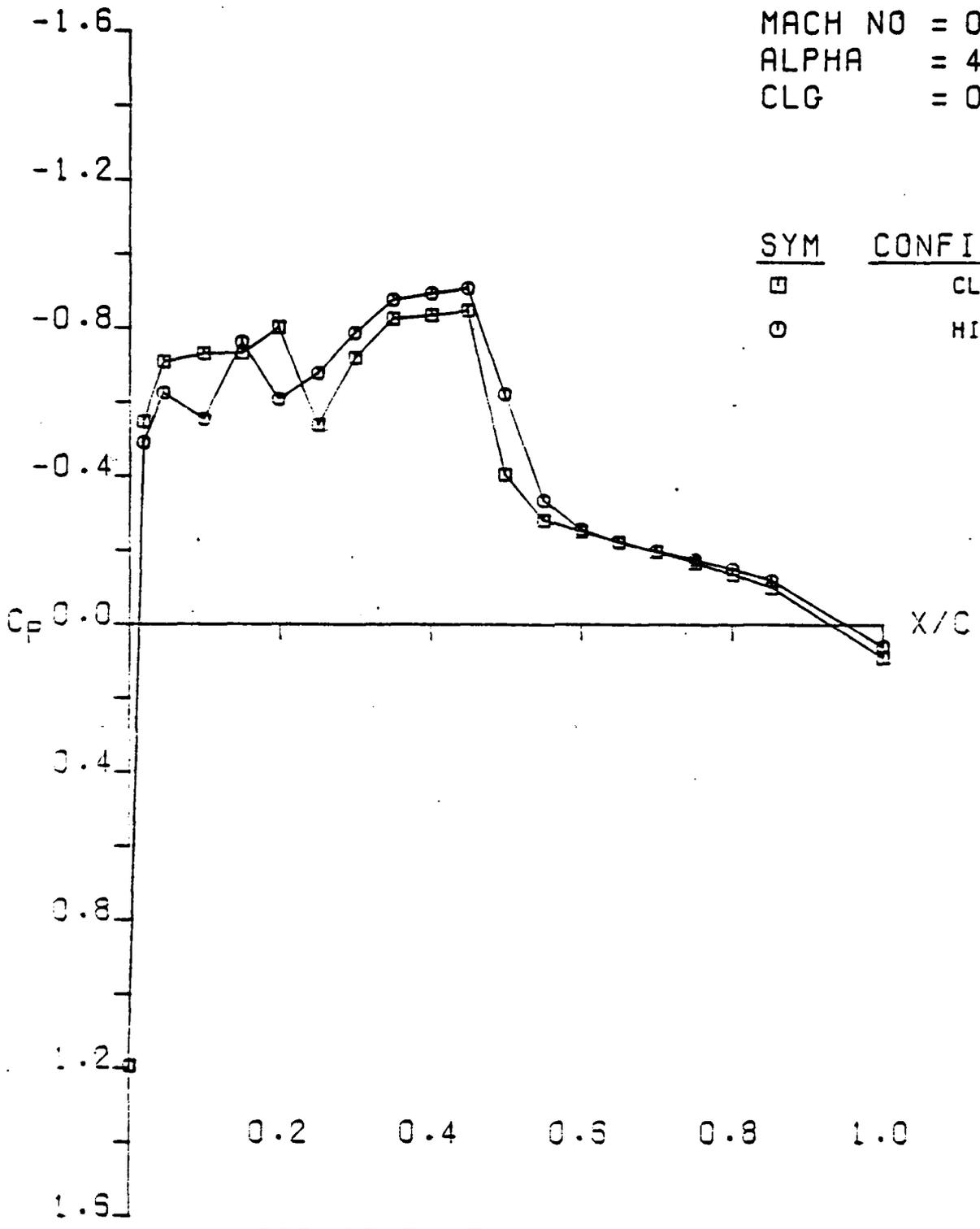
SYM	CONFIGURATION
□	CLEAN
○	HIGH



LOCKHEED CPWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

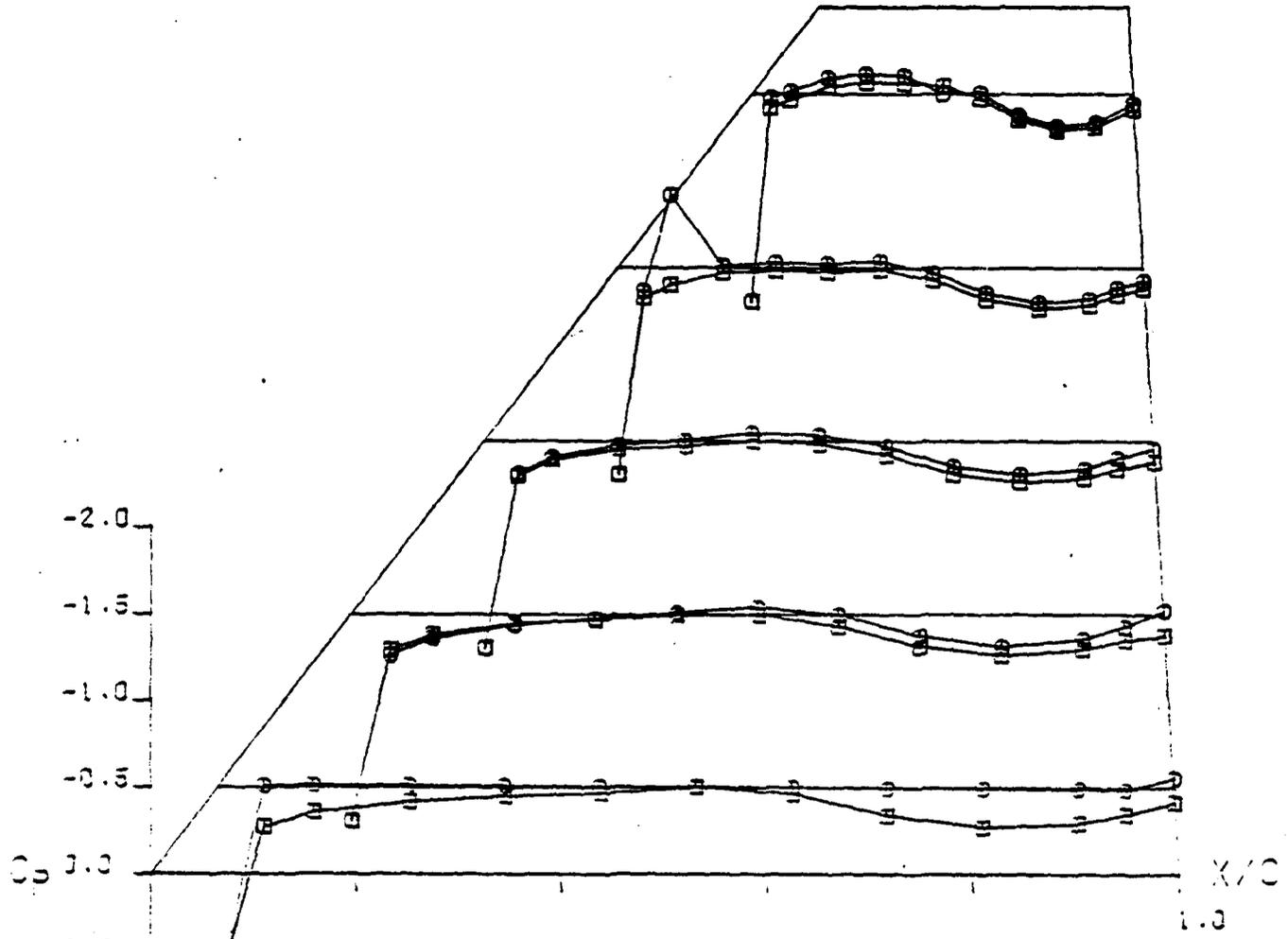
SYM	CONFIGURATION
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□ CLEAN
 ○ HIGH

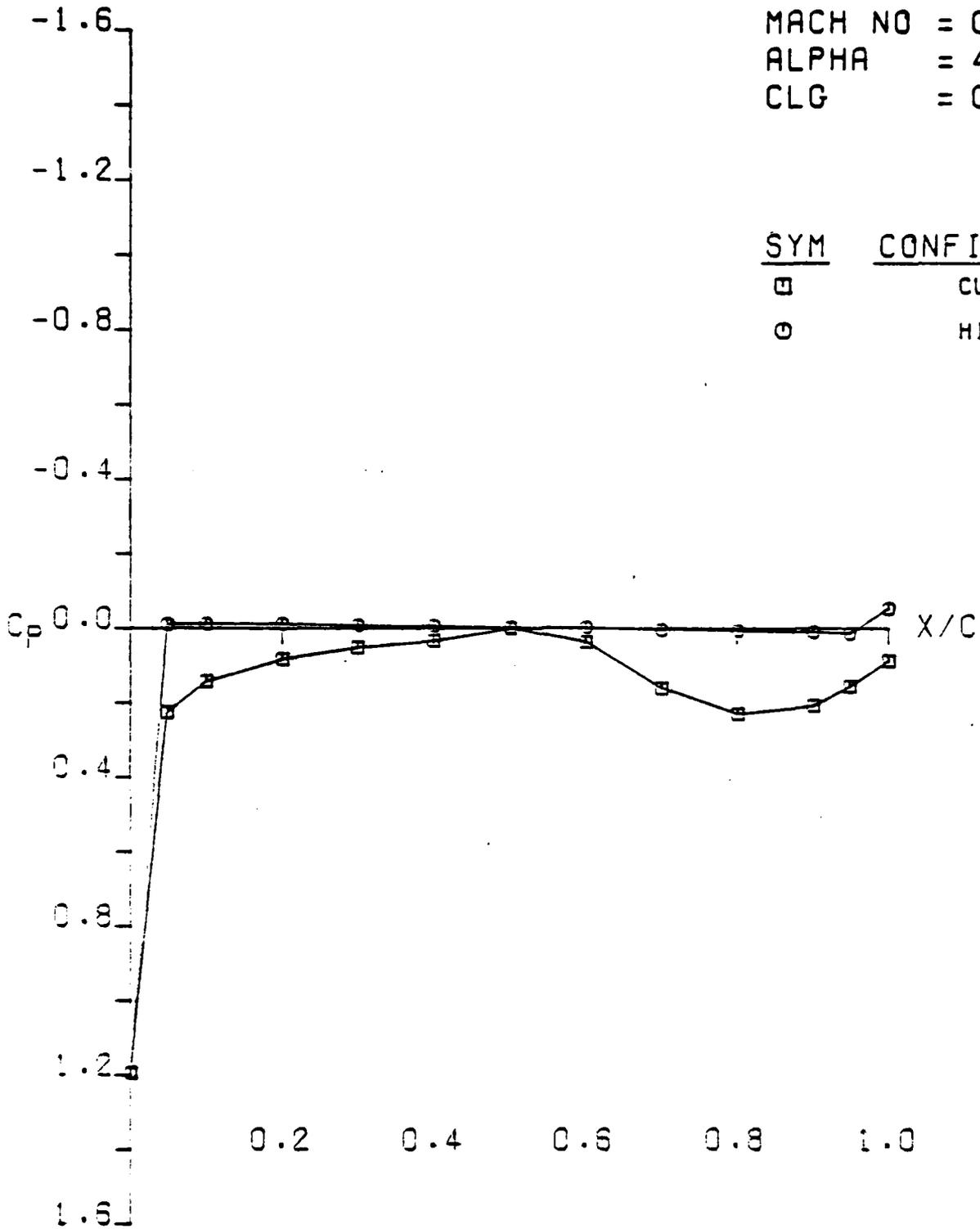


CONDITIONS
 MACH NO = 0.351
 ALPHA = 4.320
 CL = 0.435
 CD = 0.042
 CM = -0.075
 CLO = 0.485

LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (LWR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

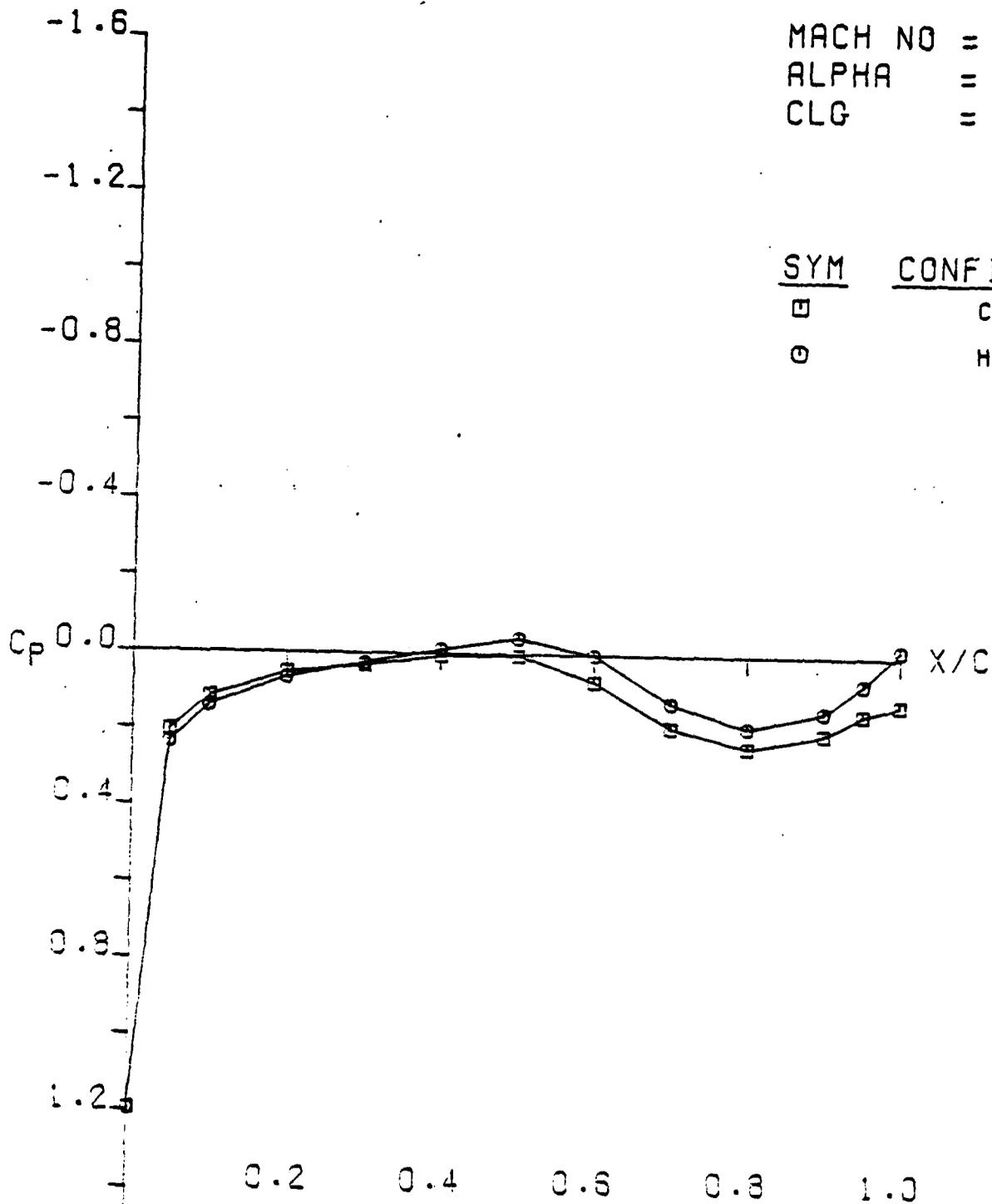
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

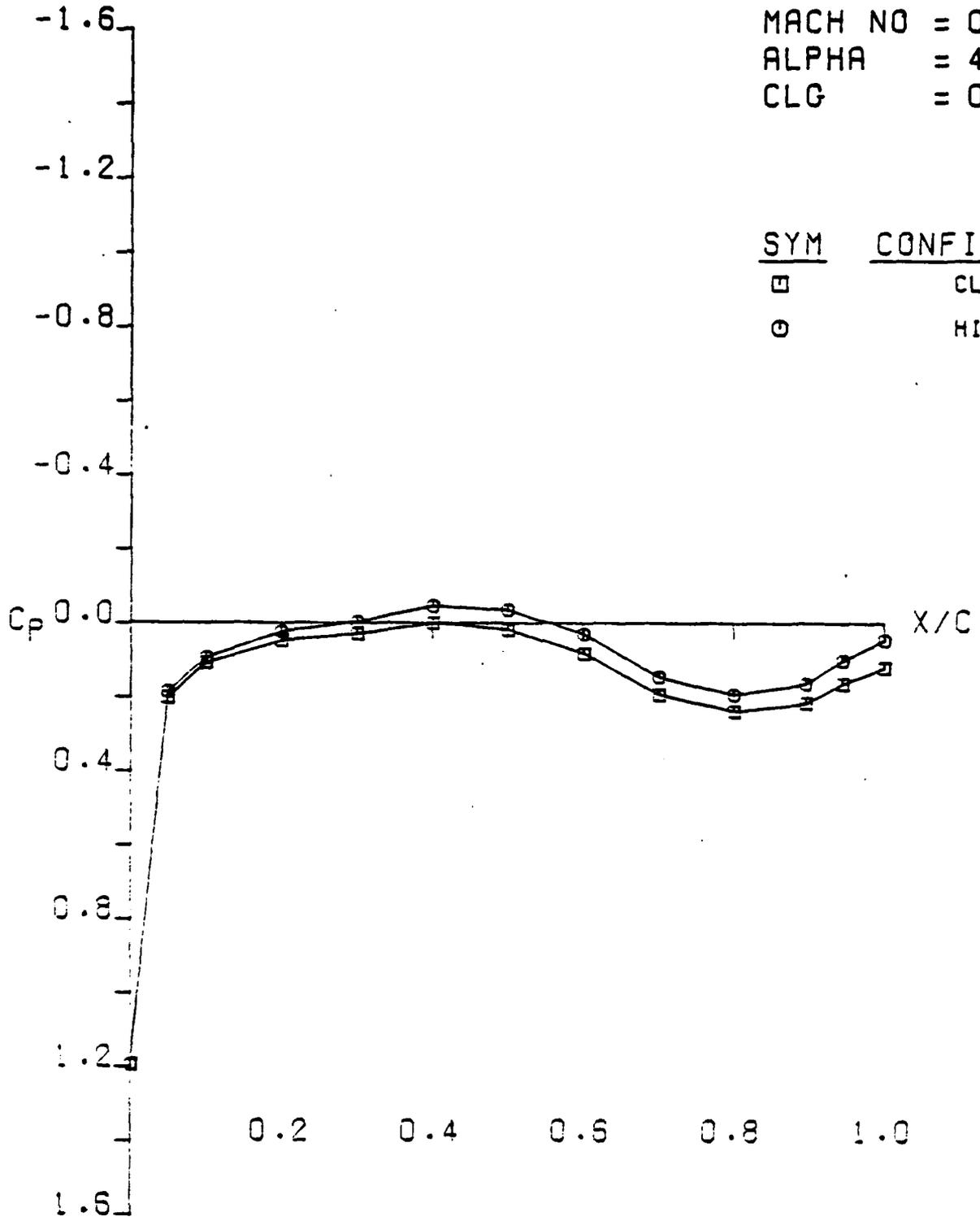
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

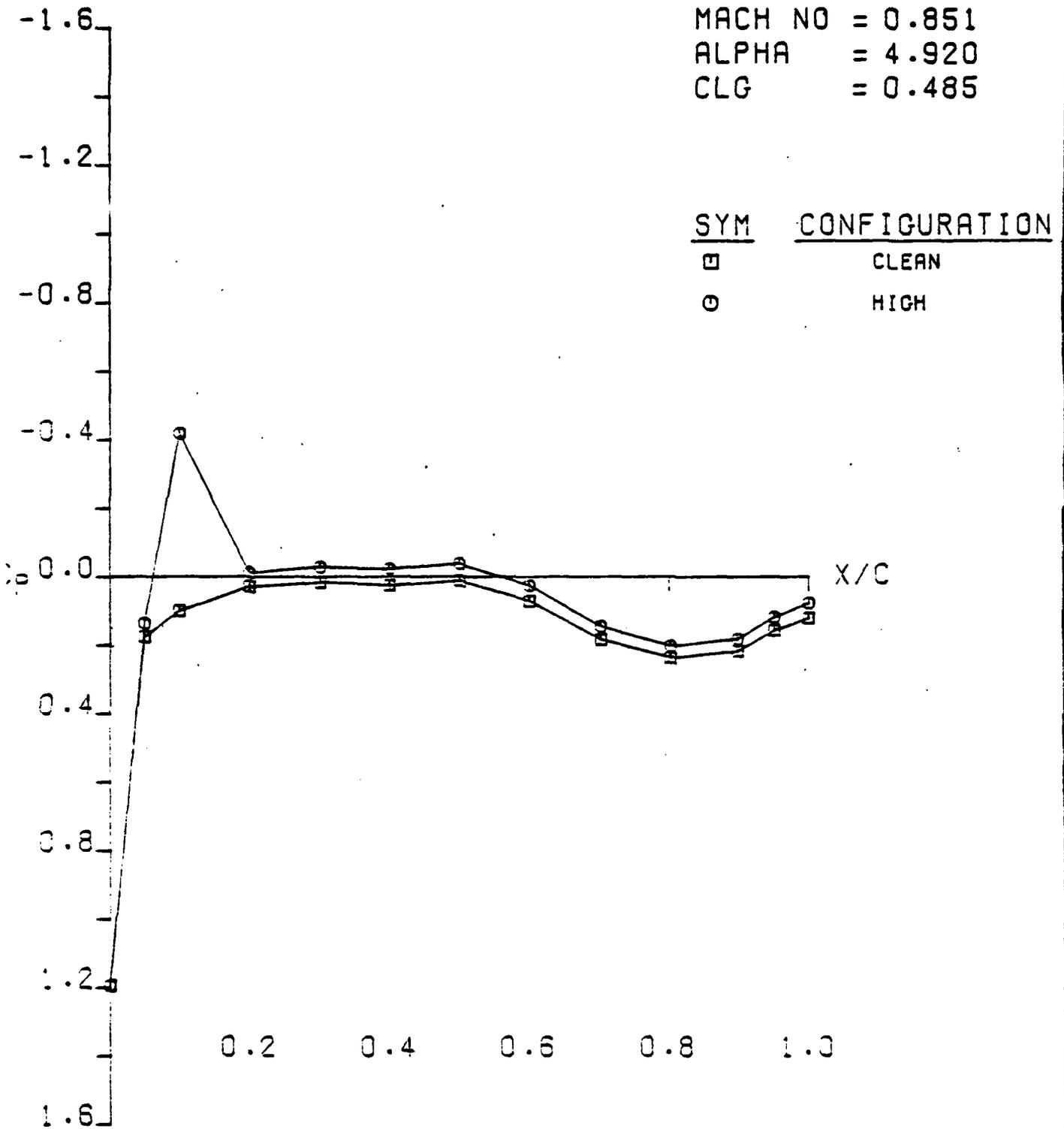
MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

SYM	CONFIGURATION
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS HIGH (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C

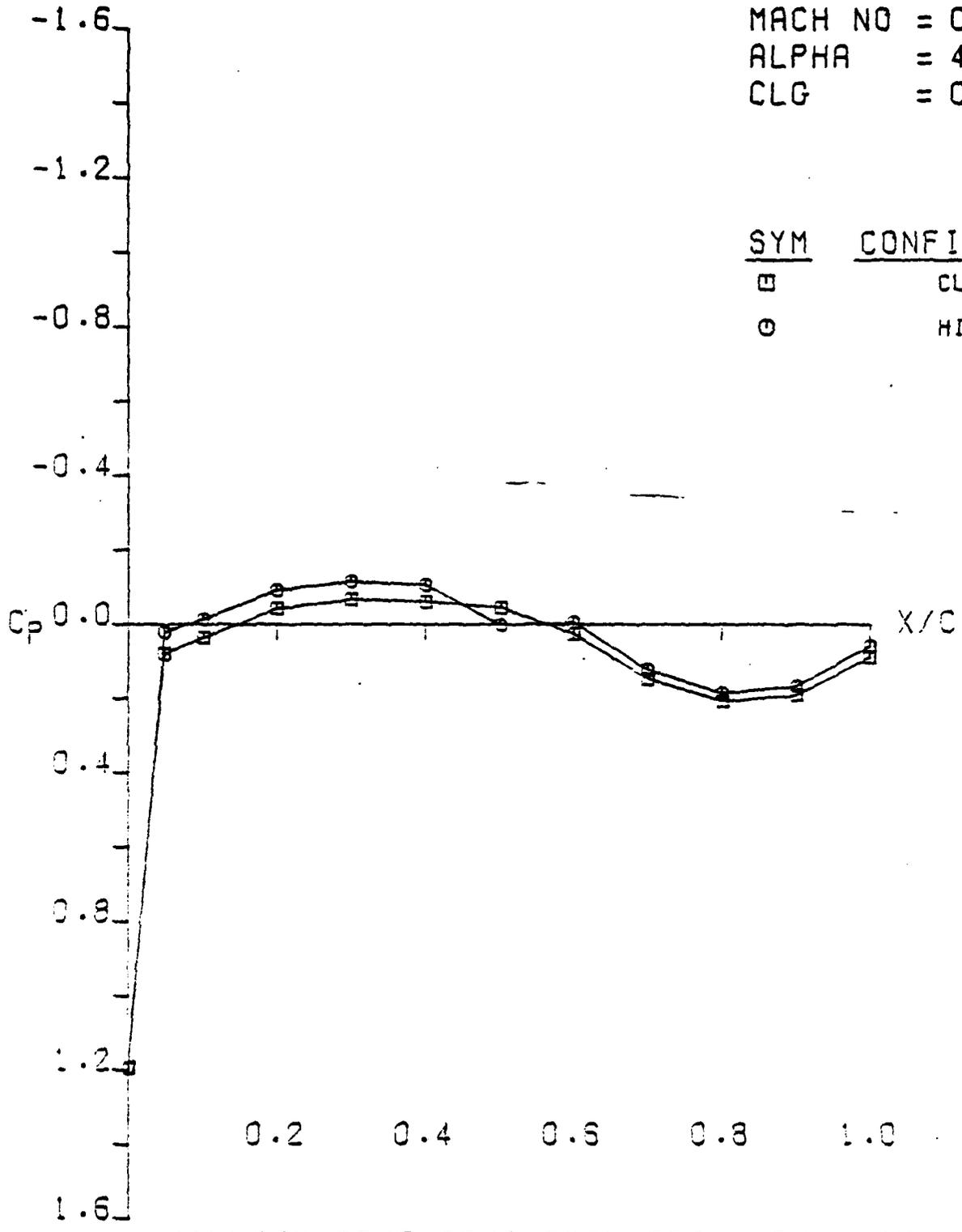
MACH NO = 0.851
ALPHA = 4.920
CLG = 0.485



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS HIGH (LWR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
ALPHA = 4.920
CLG = 0.485

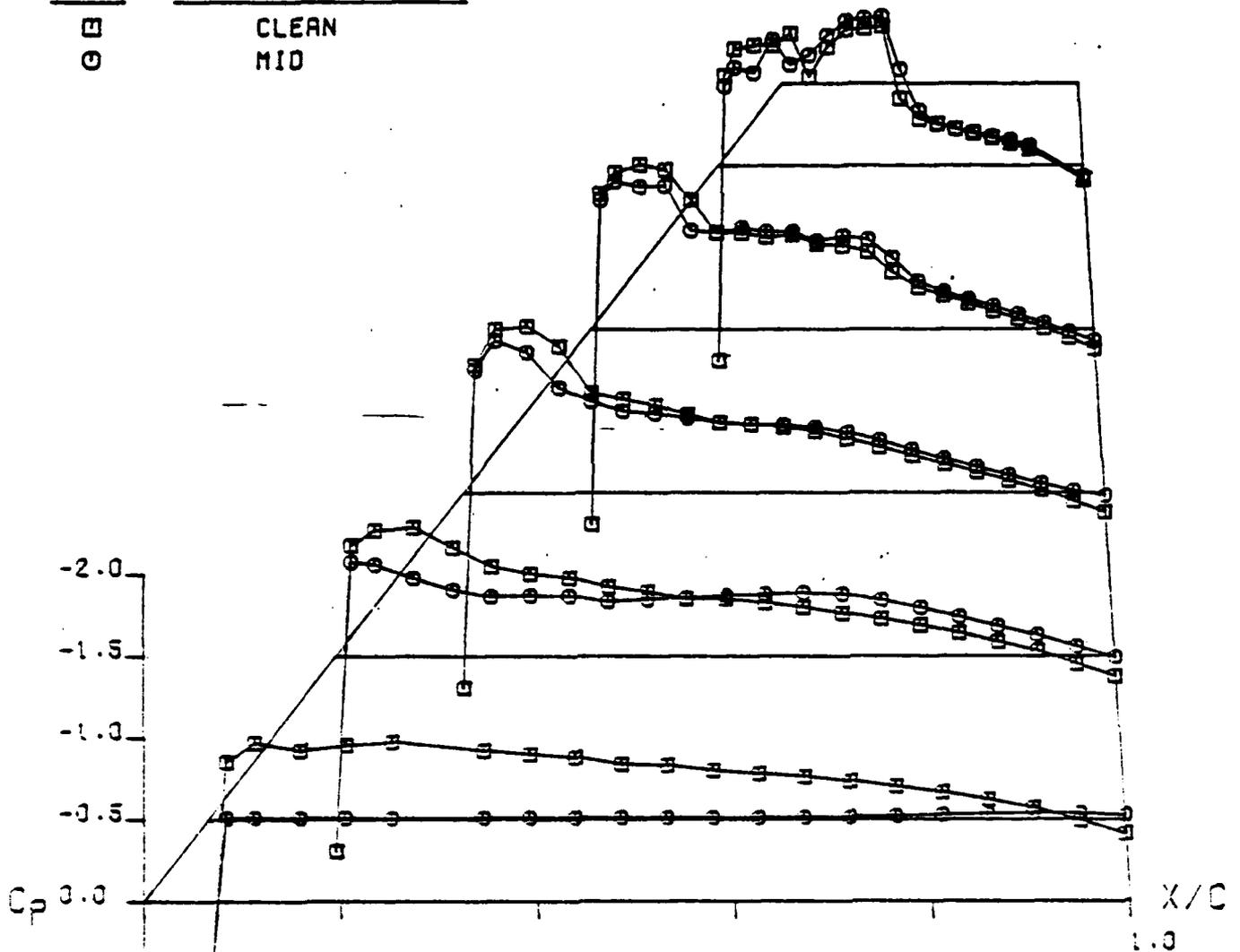
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS HIGH (LWR SURF ETR .90)
NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□ CLEAN
 ○ MID

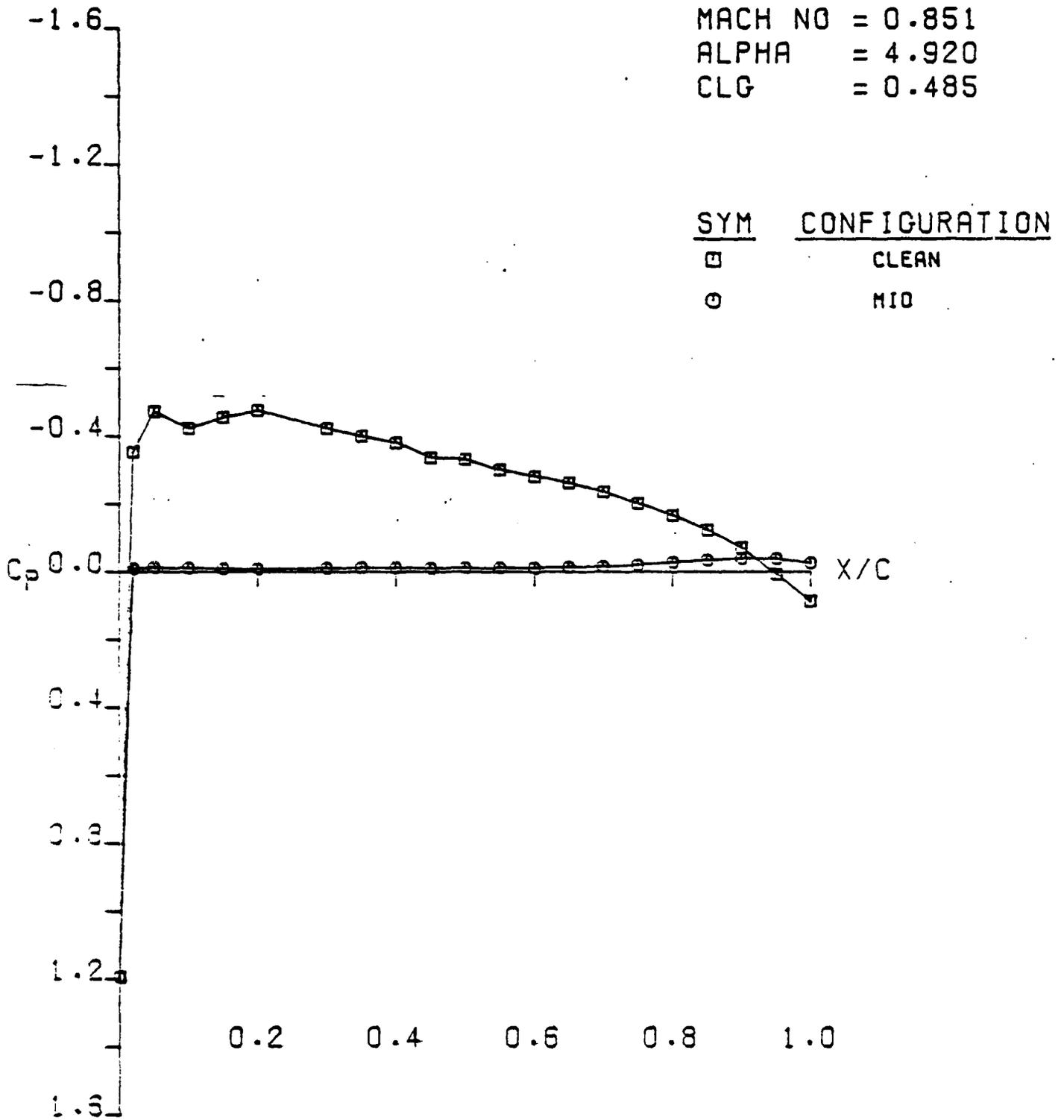


CONDITIONS

MACH NO = 0.951
 ALPHA = 4.320
 CL = 0.485
 CD = 0.042
 CM = -0.075
 CLG = 0.485

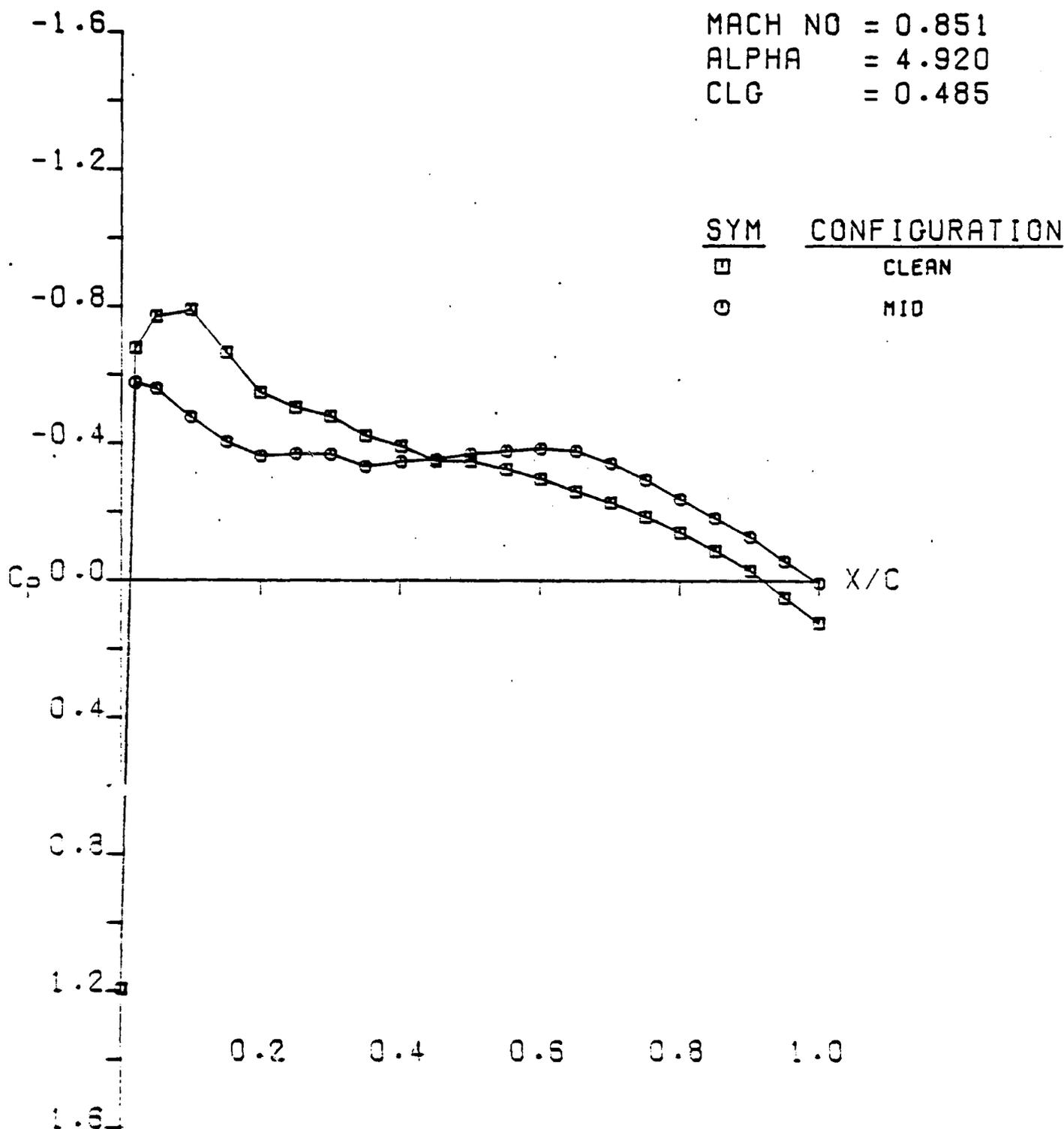
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (UPR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
ALPHA = 4.920
CLG = 0.485



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS MID - NO SEAL (UPR SURF ETA -10)
NUMERICALLY OPTIMIZED WING C

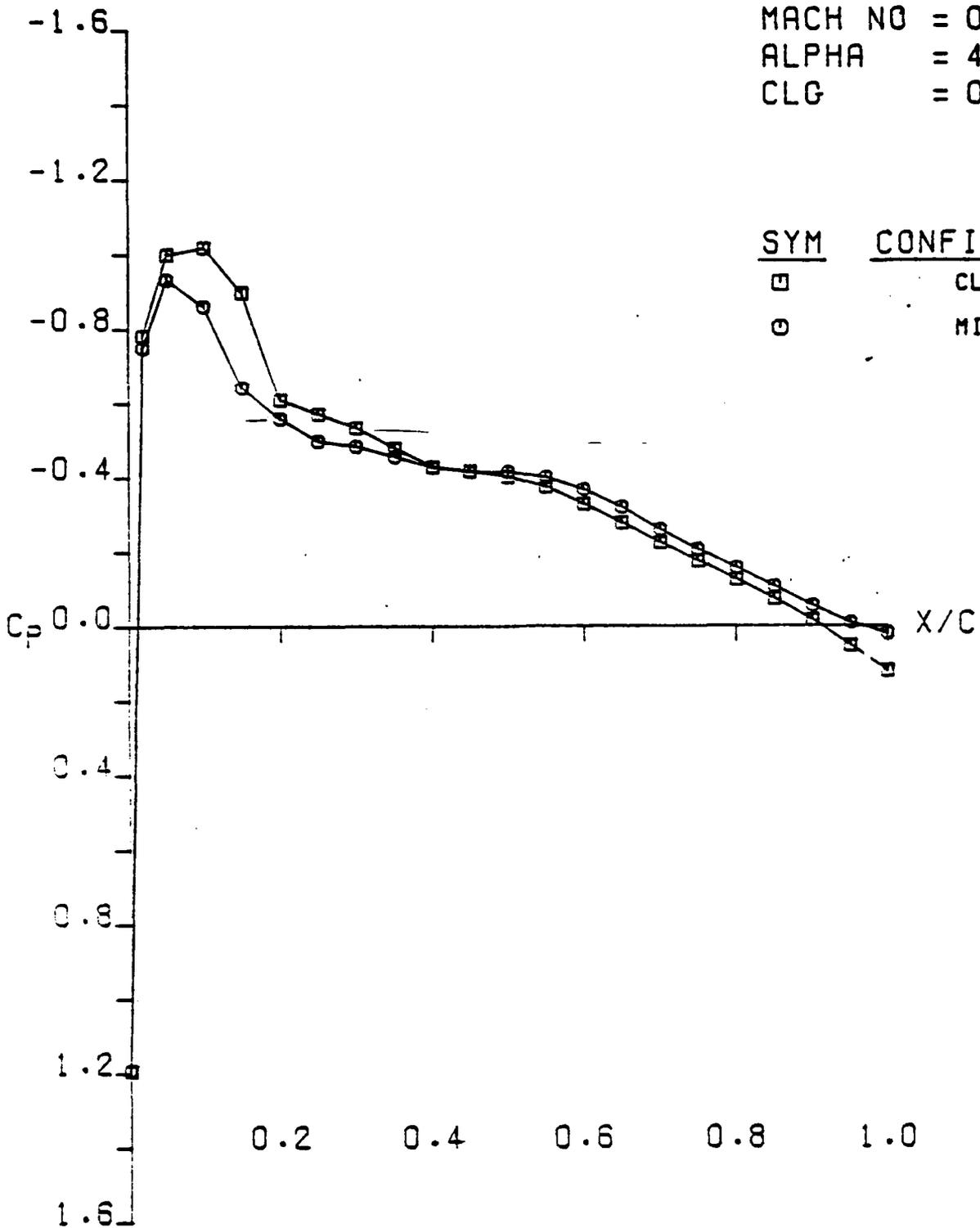
MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485



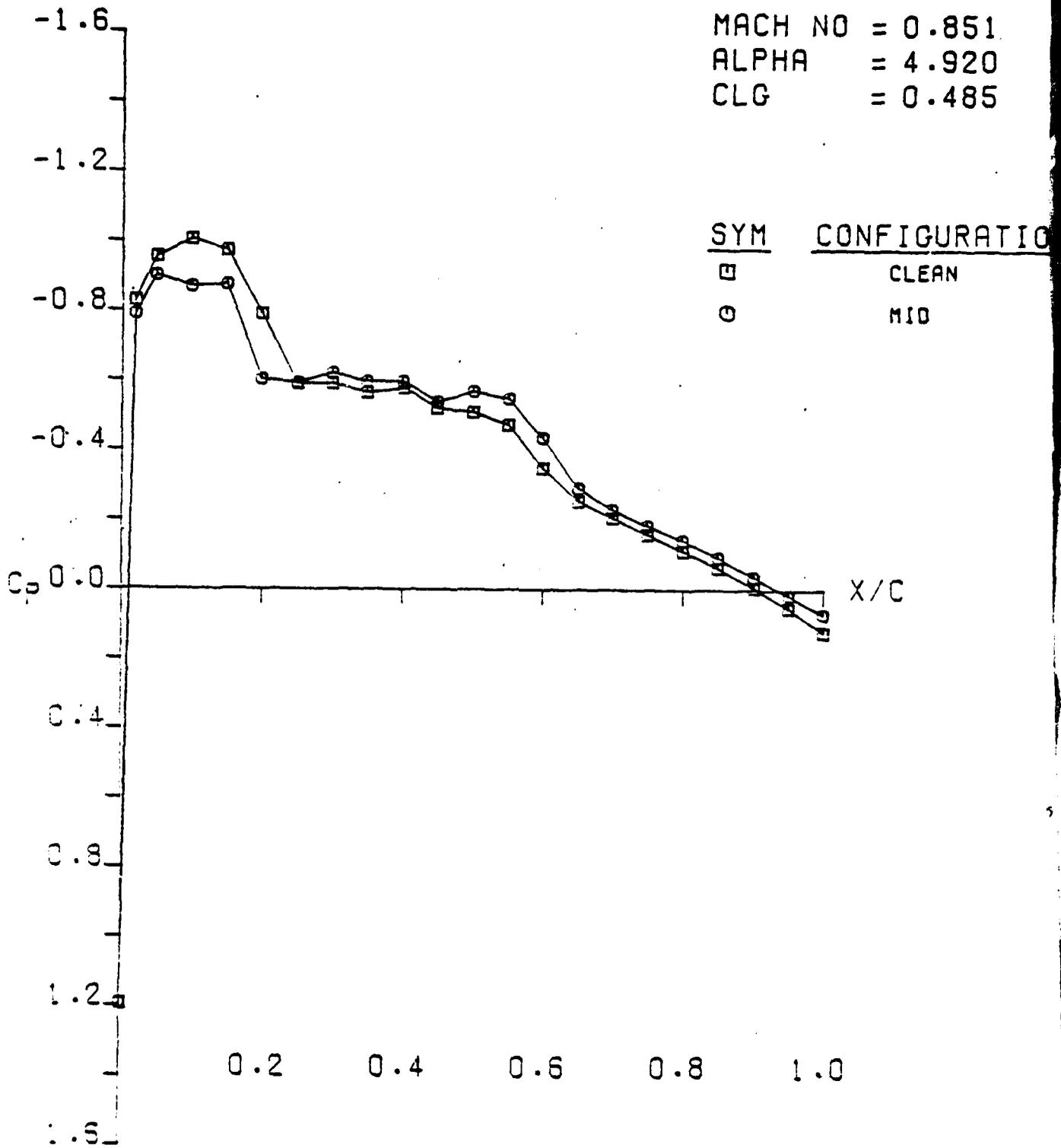
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

SYM	CONFIGURATION
□	CLEAN
○	MID



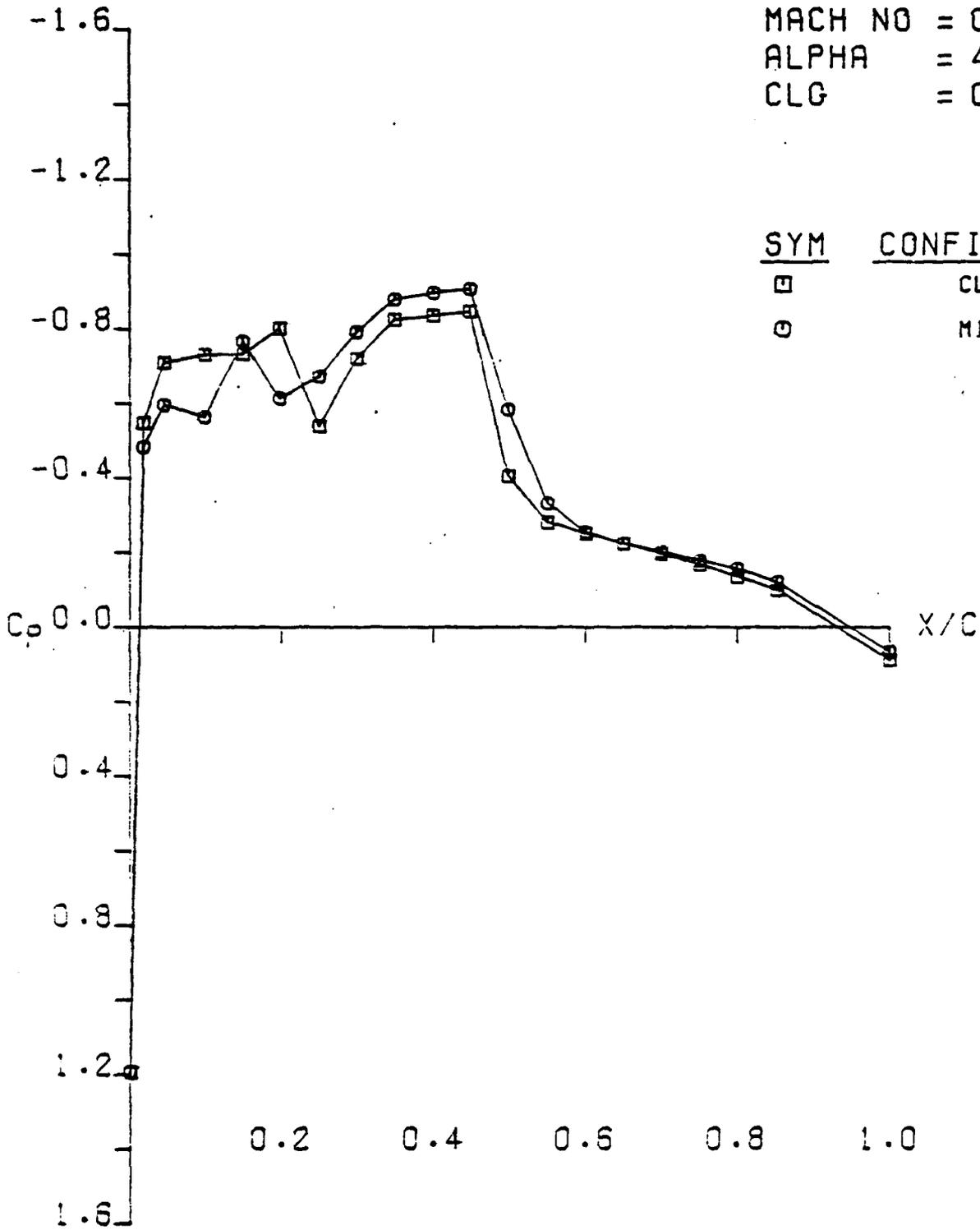
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

SYM	CONFIGURATION
□	CLEAN
○	MID

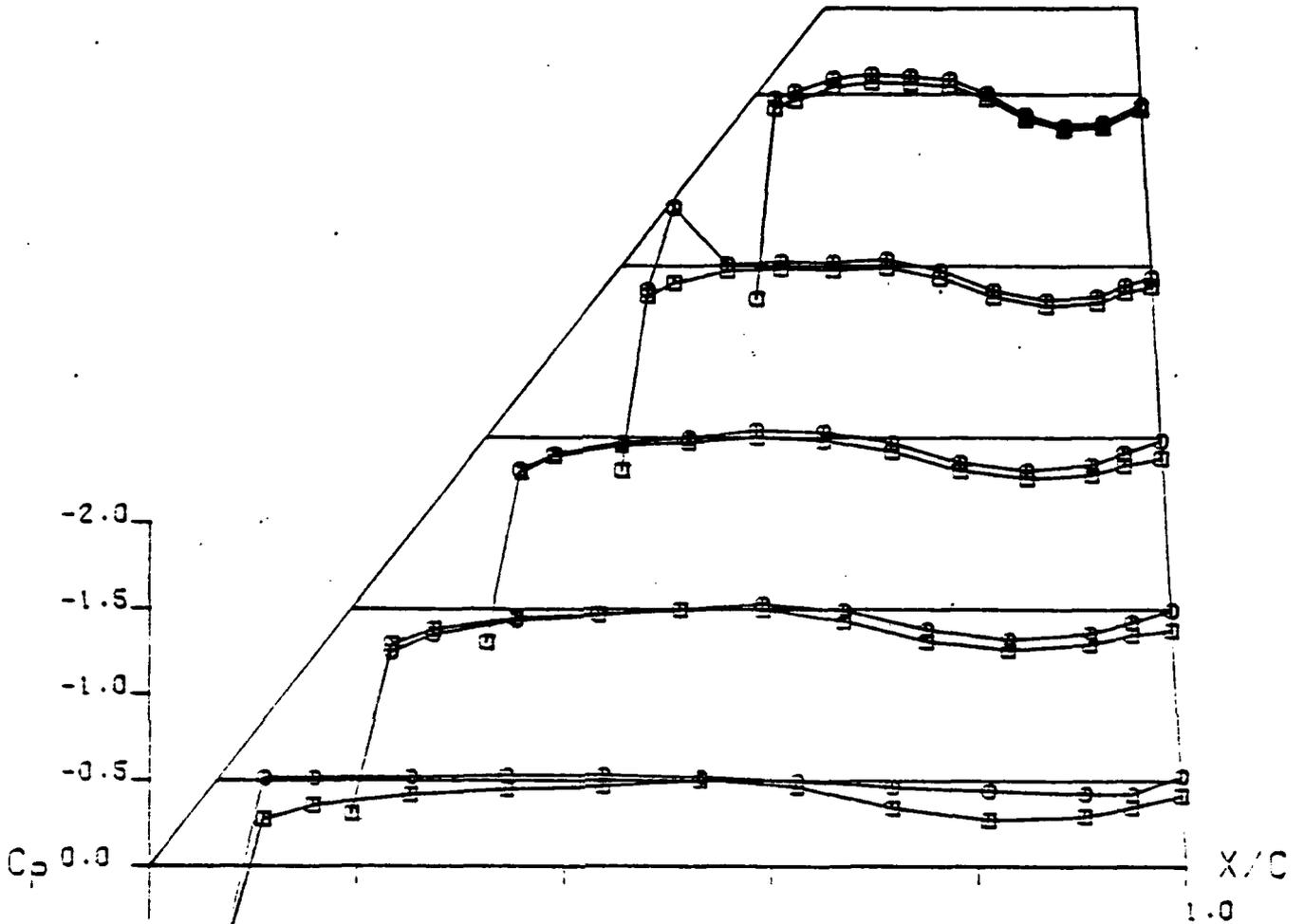


LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□
○

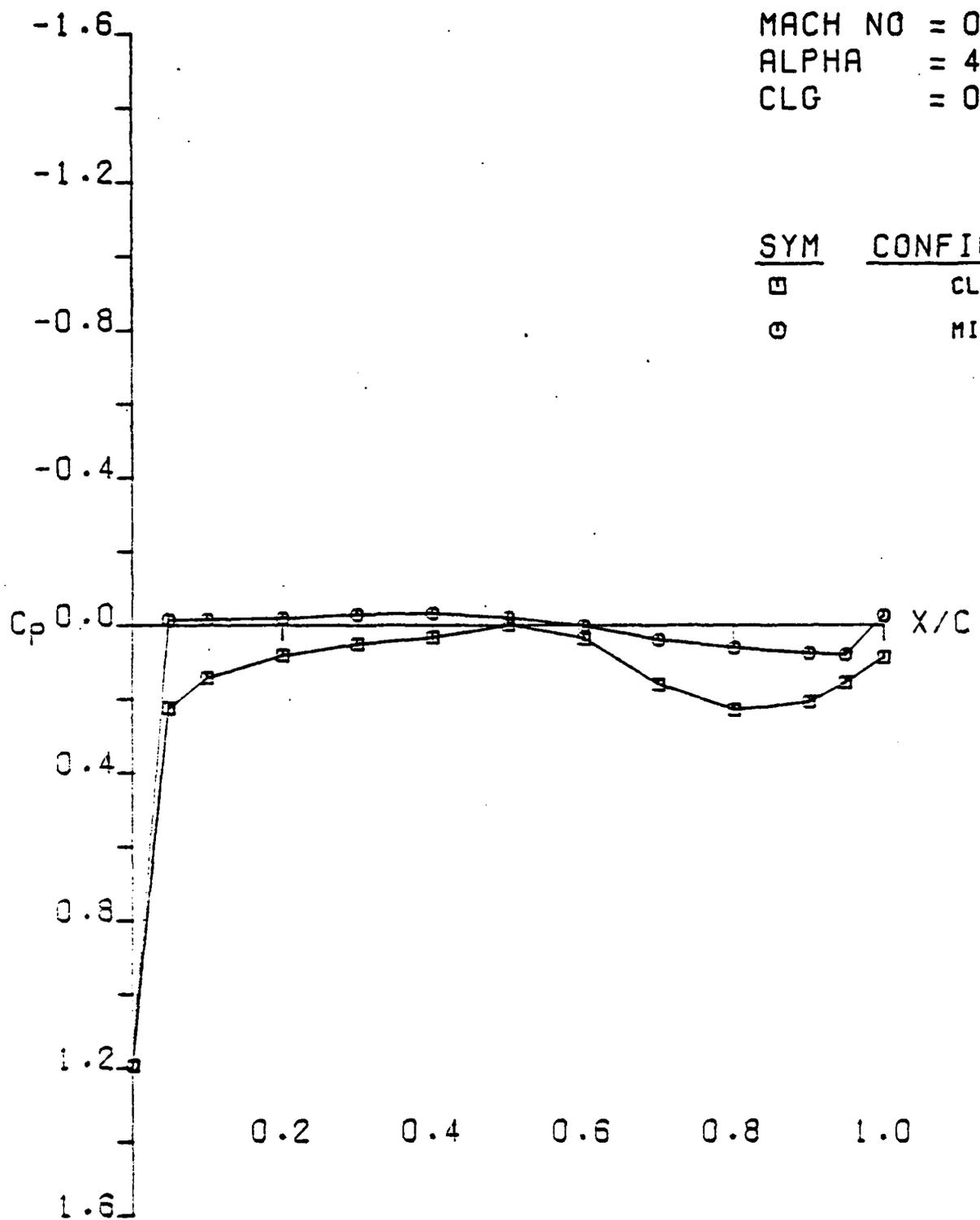
CLEAN
MID



CONDITIONS

MACH NO = 0.351
 ALPHA = 4.920
 CL = 0.485
 CD = 0.042
 CM = -0.075
 CLG = 0.485

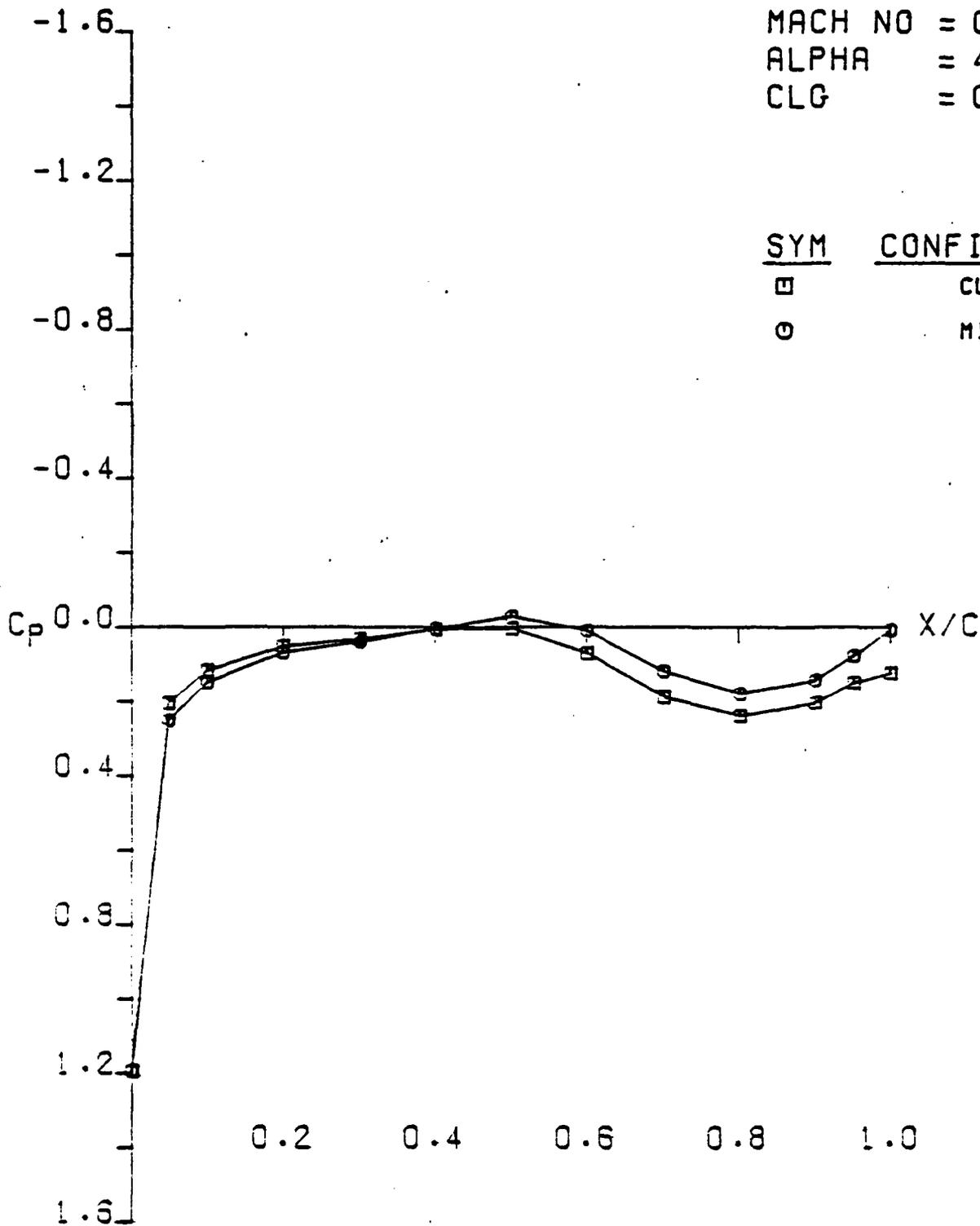
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (LWR SURF)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

SYM	CONFIGURATION
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



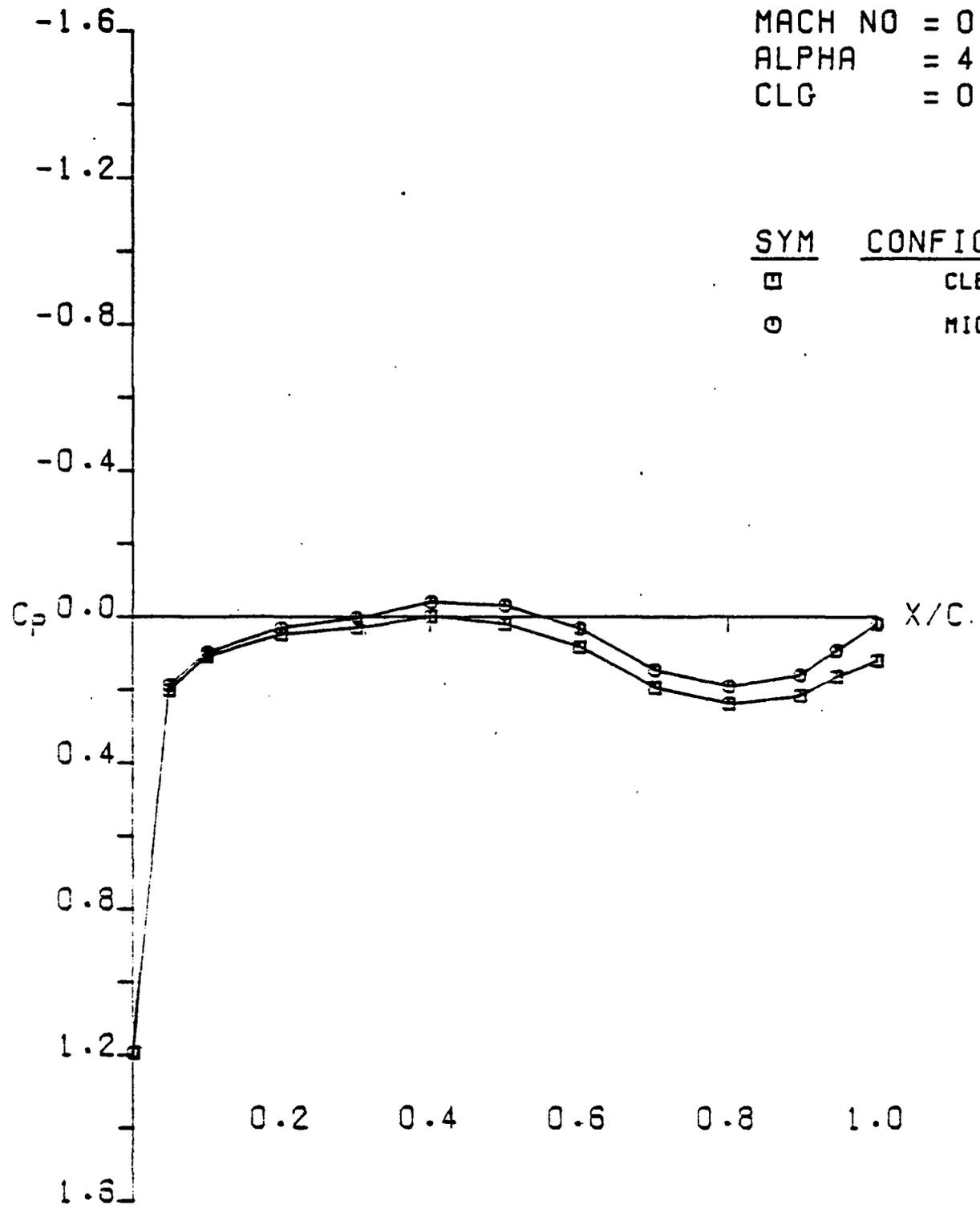
MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

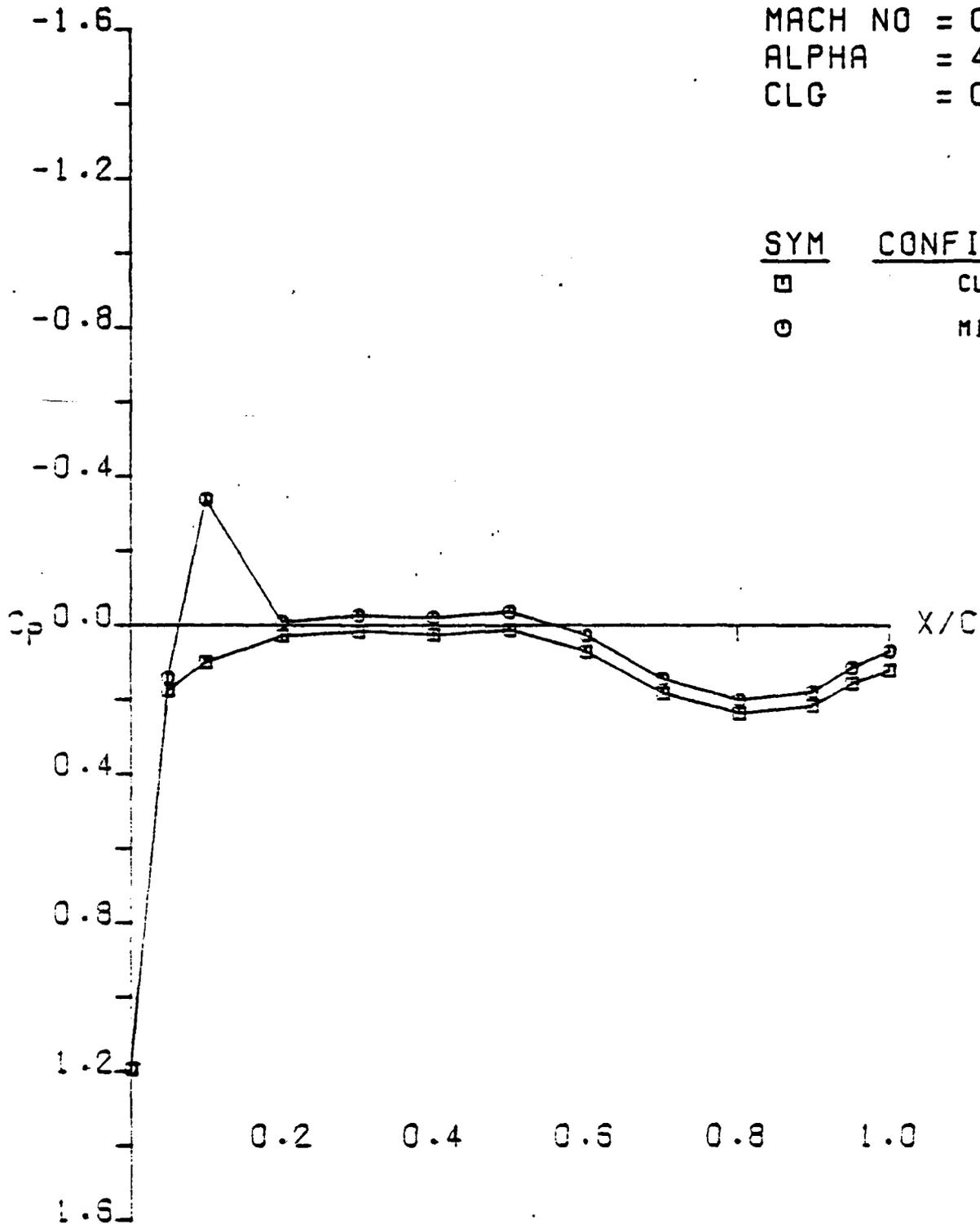
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

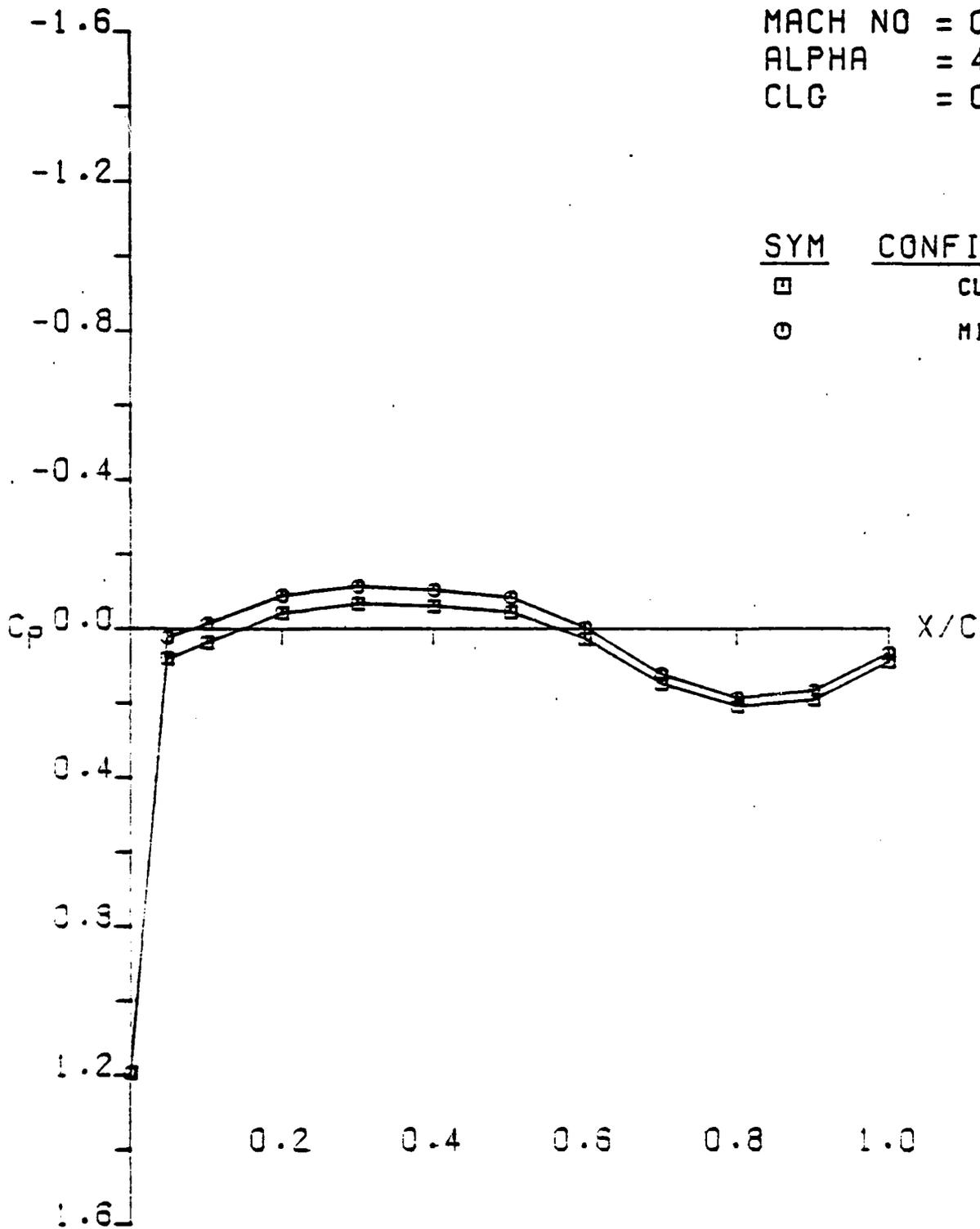
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS MID - NO SEAL (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
ALPHA = 4.920
CLG = 0.485

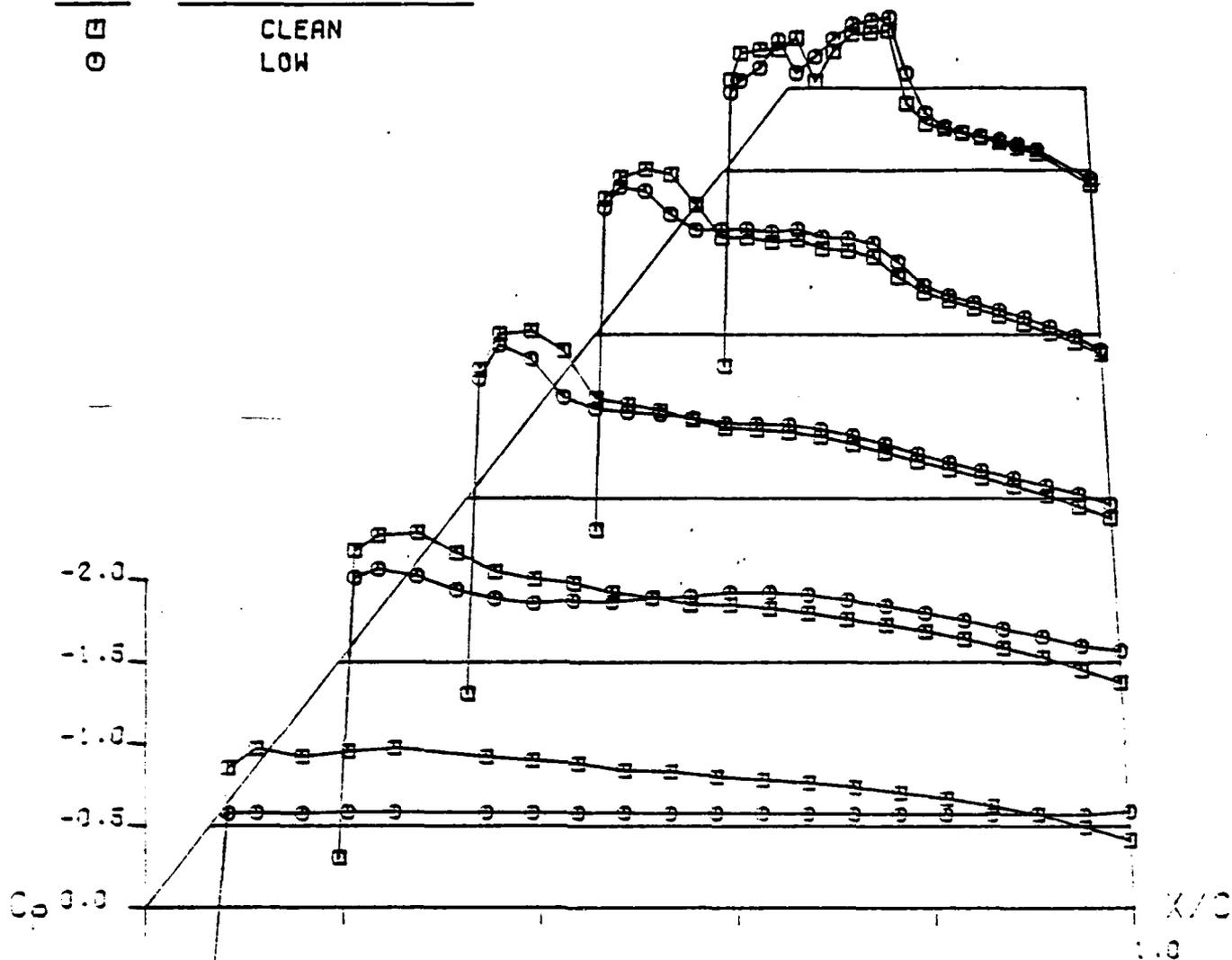
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS MID - NO SEAL (LWR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□ CLEAN
 ○ LOW



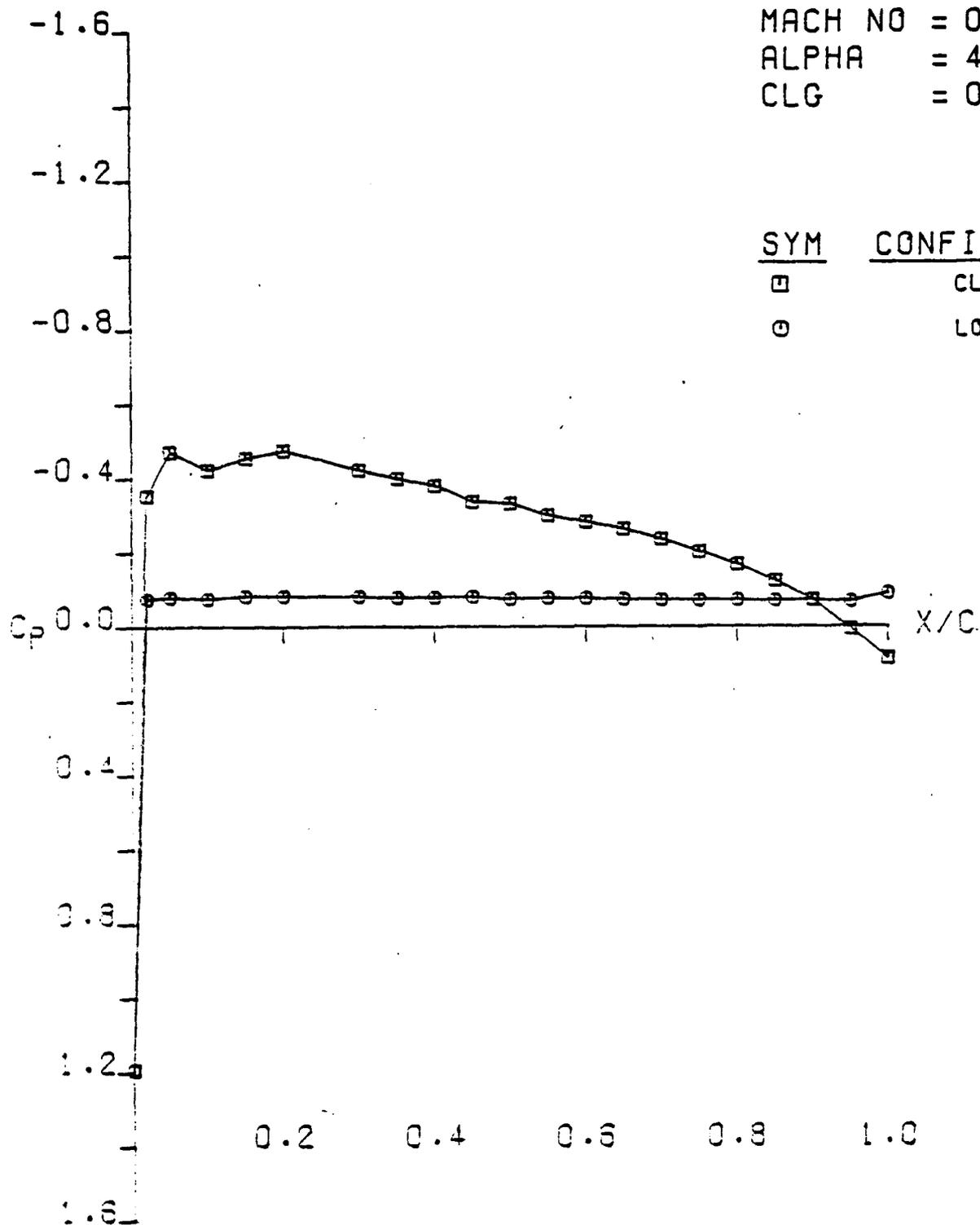
CONDITIONS

MACH NO = 0.351
 ALPHA = 4.320
 CL = 0.485
 CD = 0.042
 CM = -0.075
 CLG = 0.485

LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (UPR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
ALPHA = 4.920
CLG = 0.485

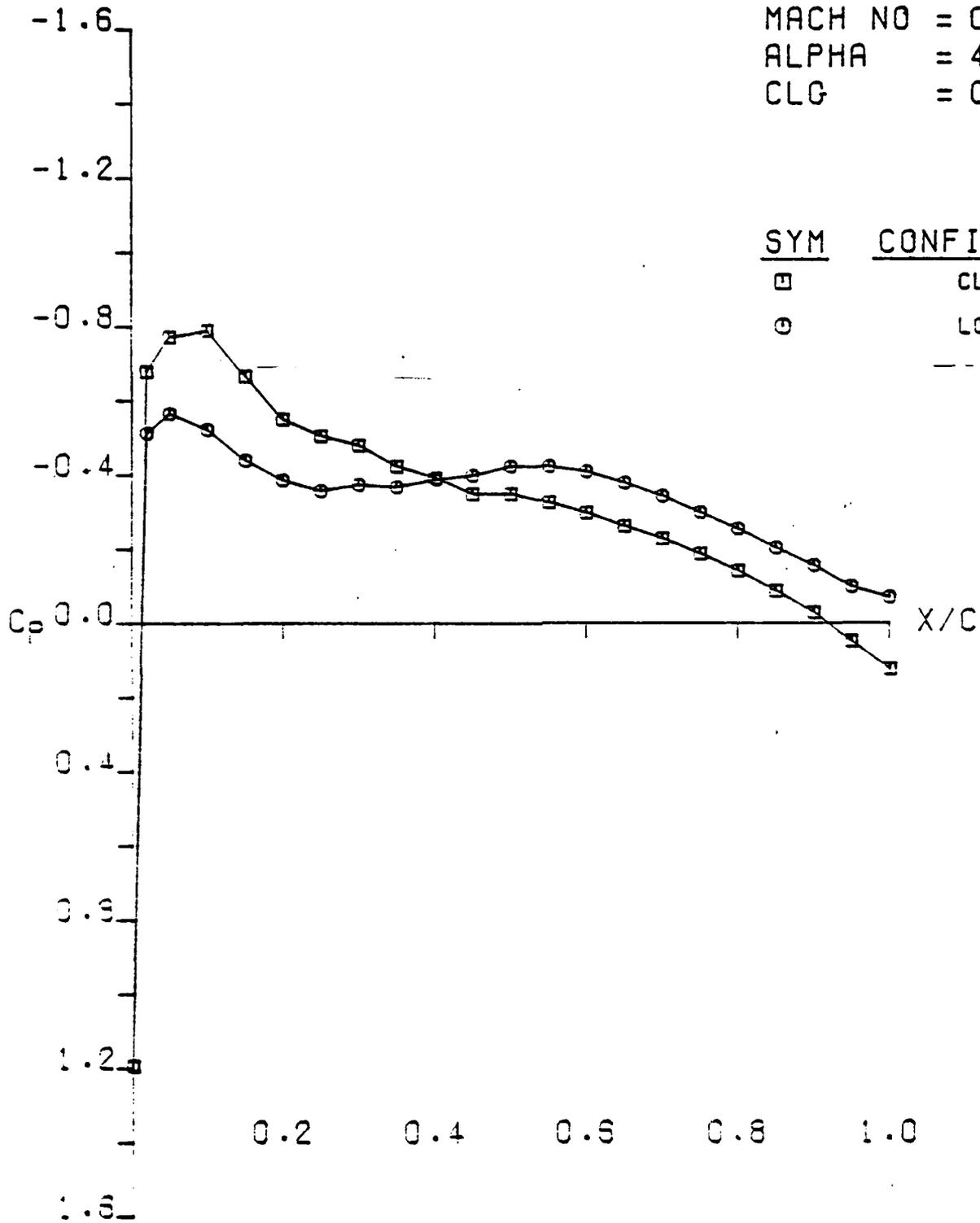
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
CLN VS LOW (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

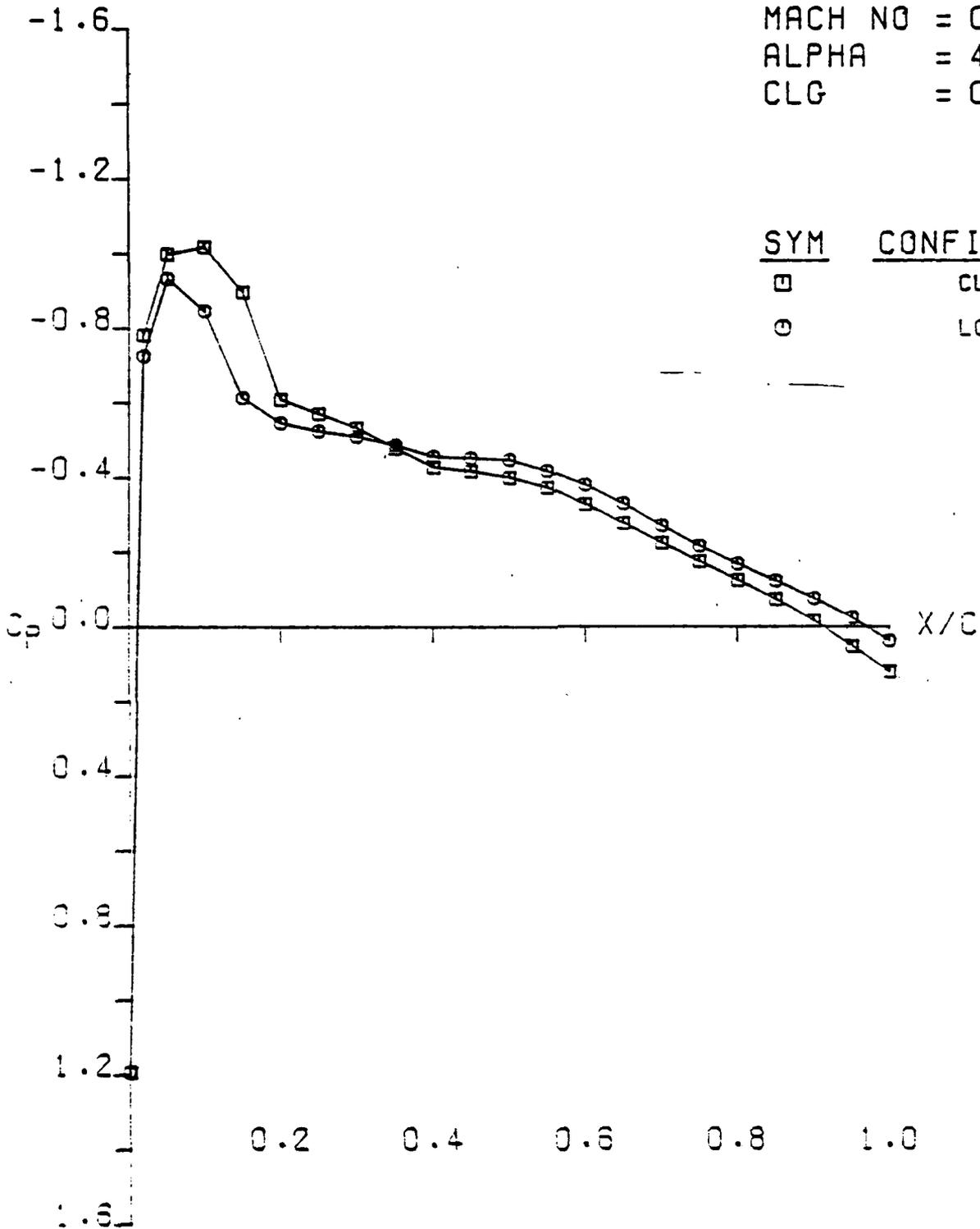
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



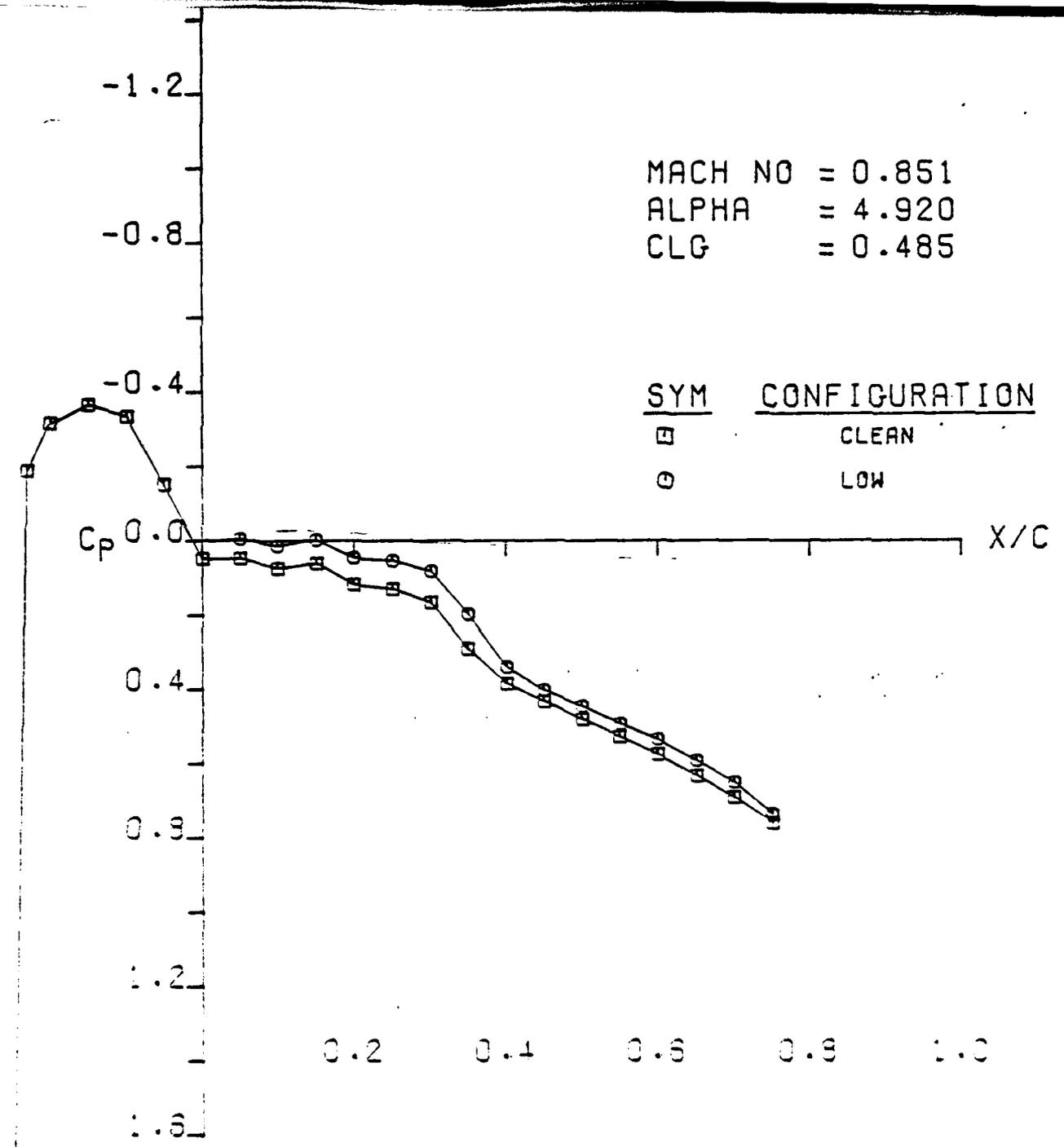
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



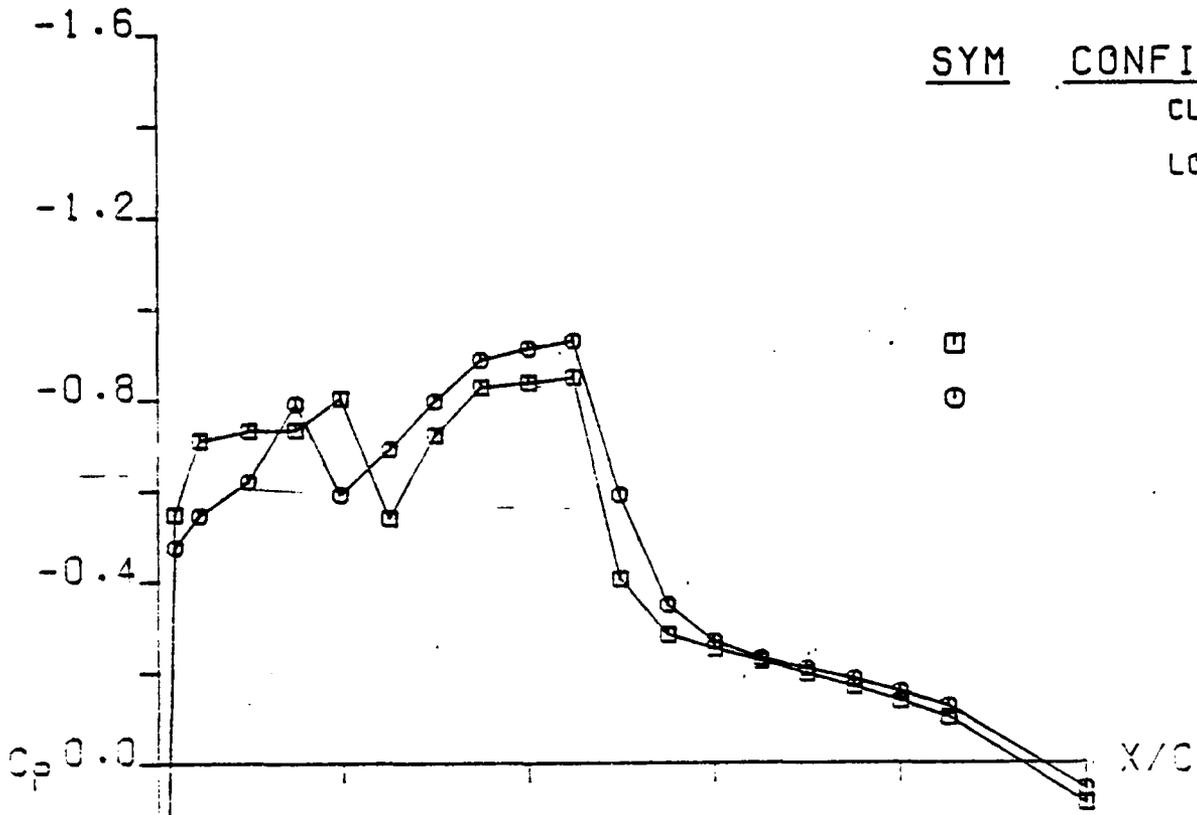
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

CLG

= 0.485



SYM

CONFIGURATION

CLEAN

LOW

□

○

X/C

1.2 LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING 1.0

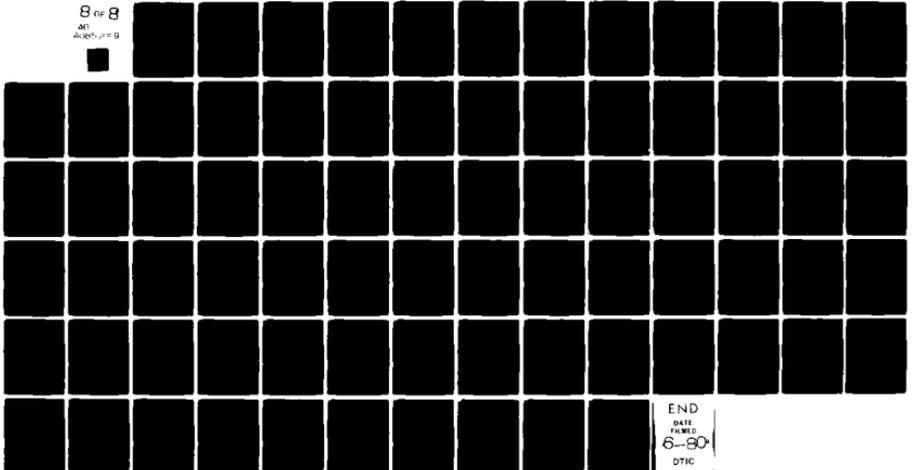
1.6

AD-A085 259

LOCKHEED-GEORGIA CO MARIETTA F/G 20/4
ACQUISITION AND APPLICATION OF TRANSONIC WING AND FAR-FIELD TES--ETC(U)
MAR 80 B L HINSON, K P BURDGES F49620-78-C-006B
L680ER0012-VOL-2 AFOSR-TR-80-0422-VOL-2-APP NL

UNCLASSIFIED

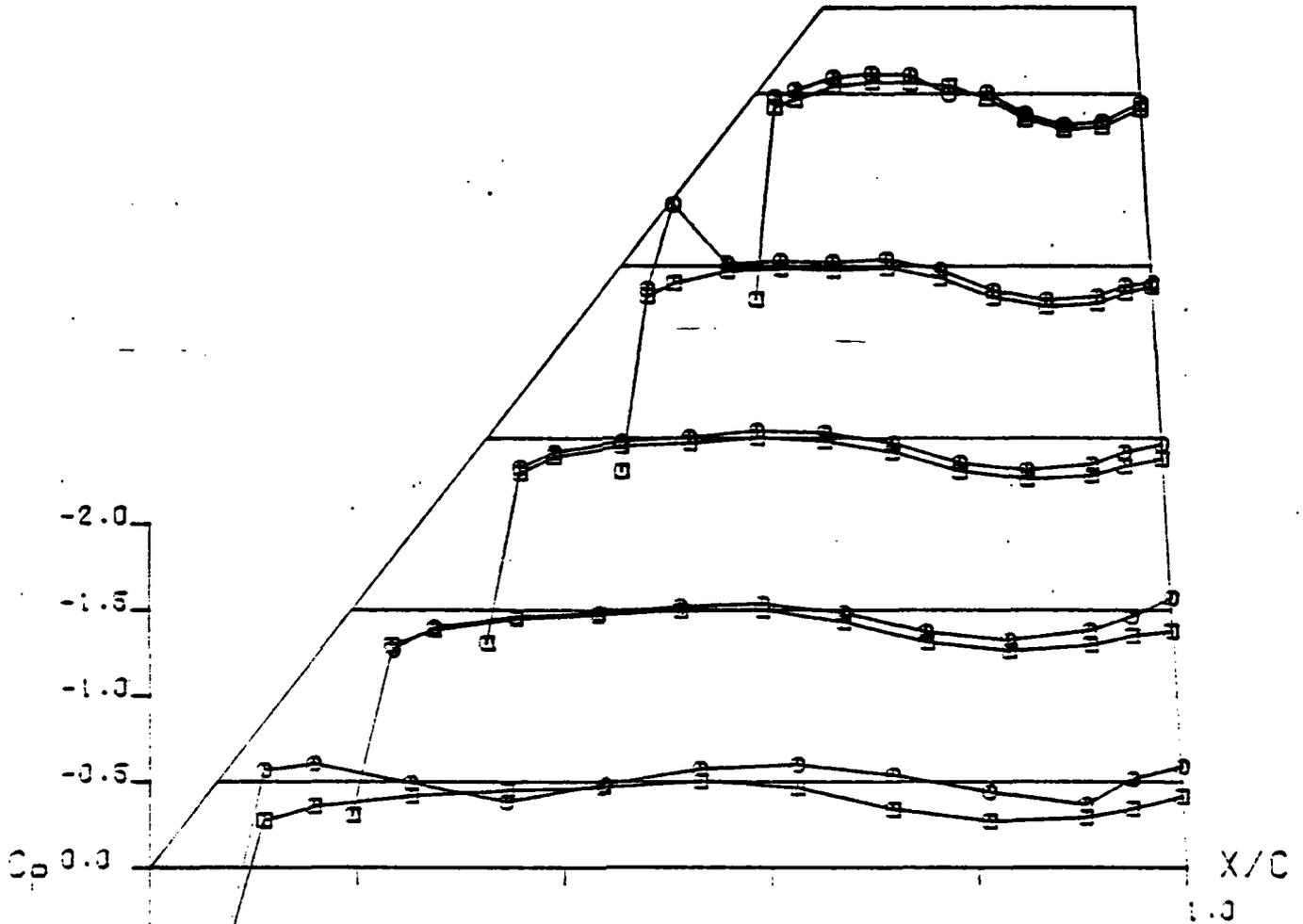
8 of 8
AD
A085 259 B



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DATE
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DTIC

SYM CONFIGURATION

□ CLEAN
 ○ LOW



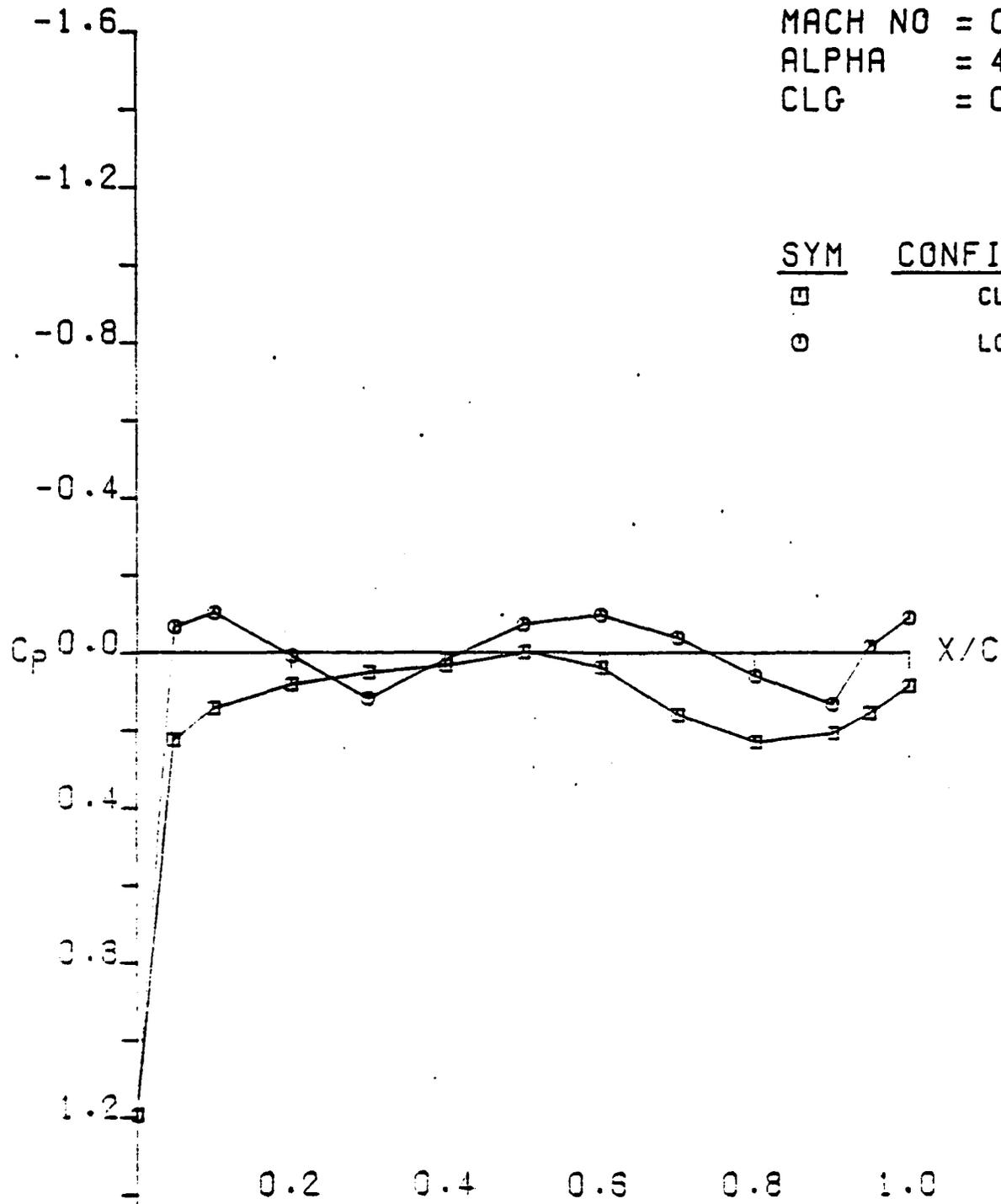
CONDITIONS

MACH NO = 0.351
 ALPHA = 4.920
 CL = 0.485
 CD = 0.042
 CM = -0.075
 CLG = 0.485

LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (LWR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

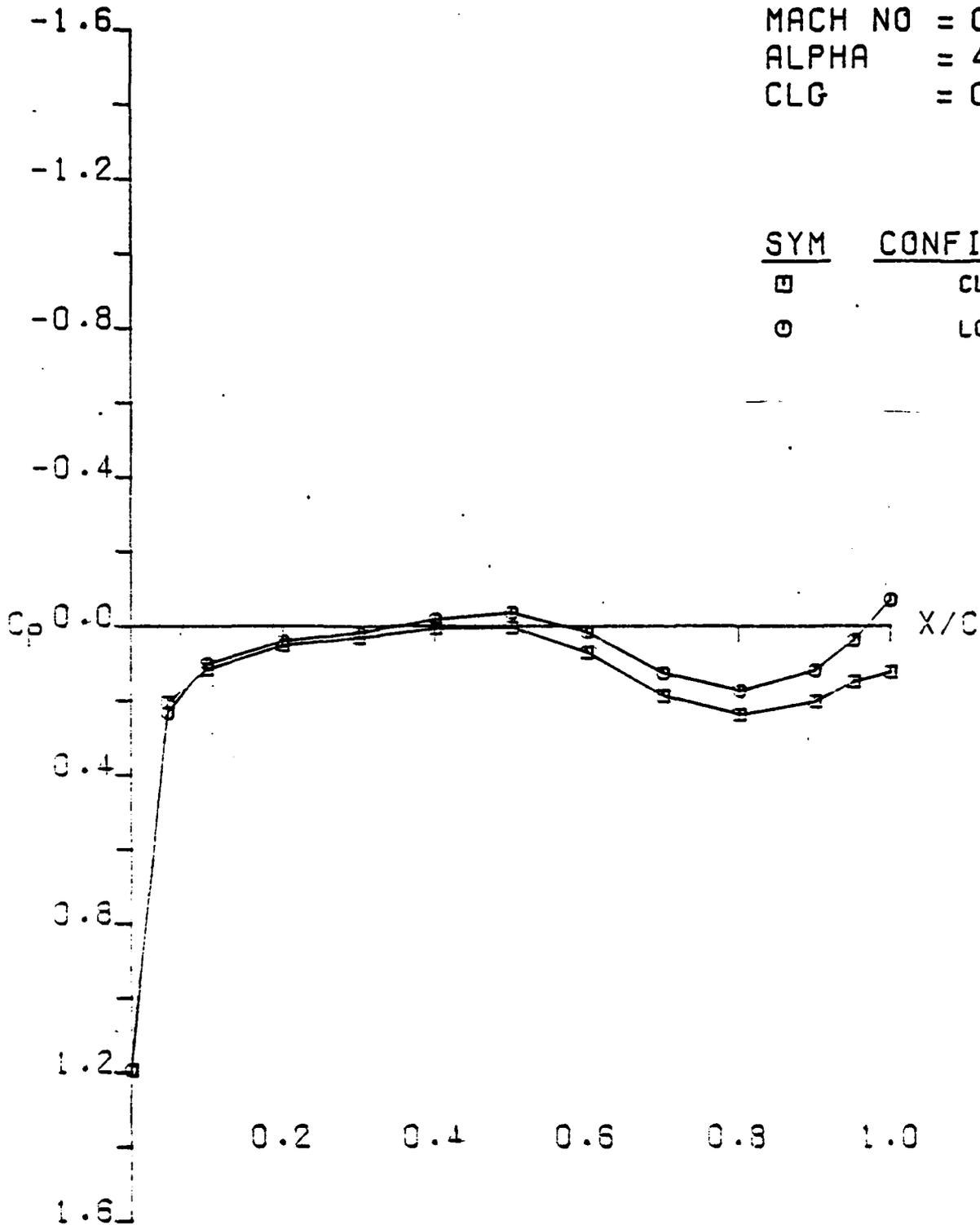
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

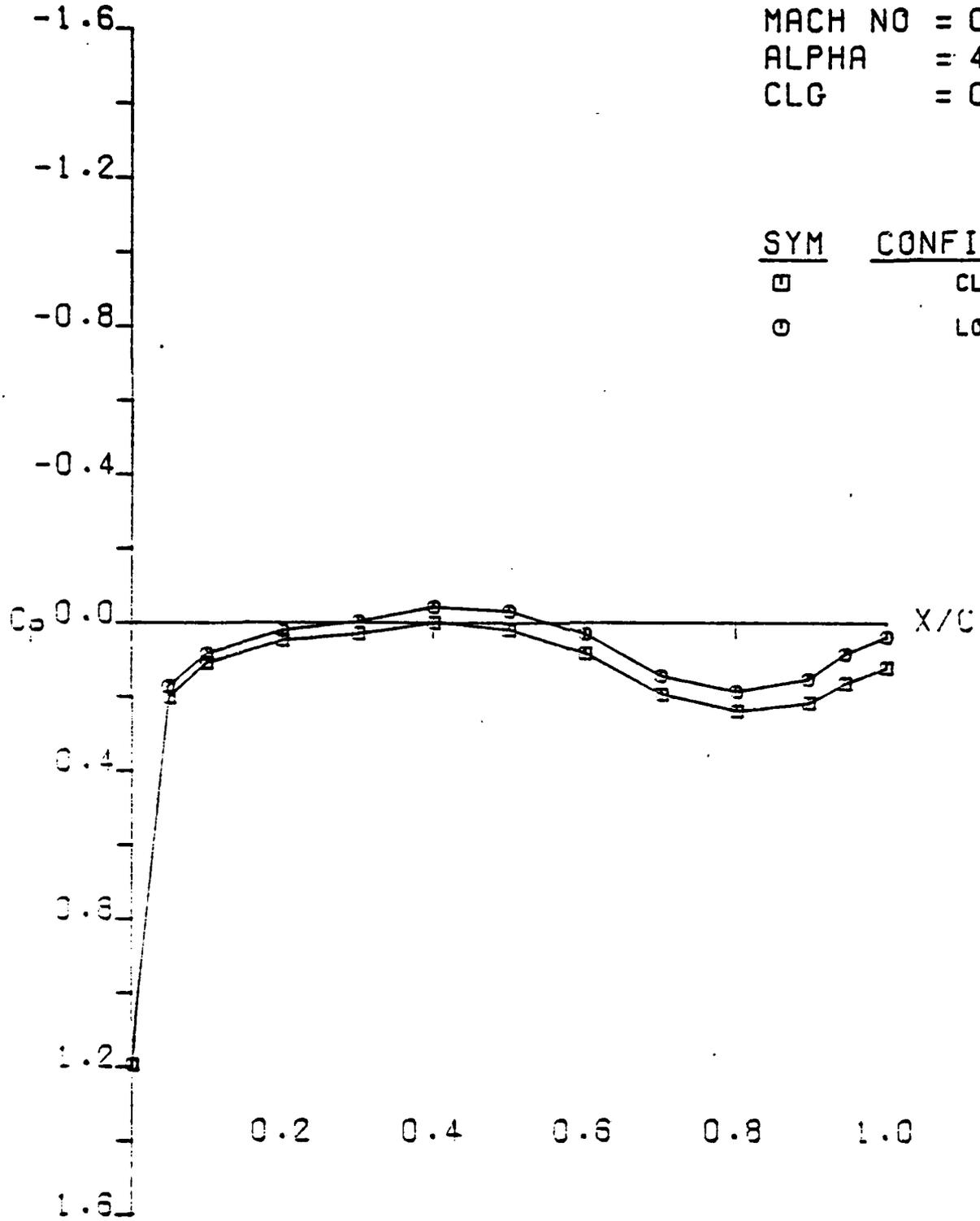
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



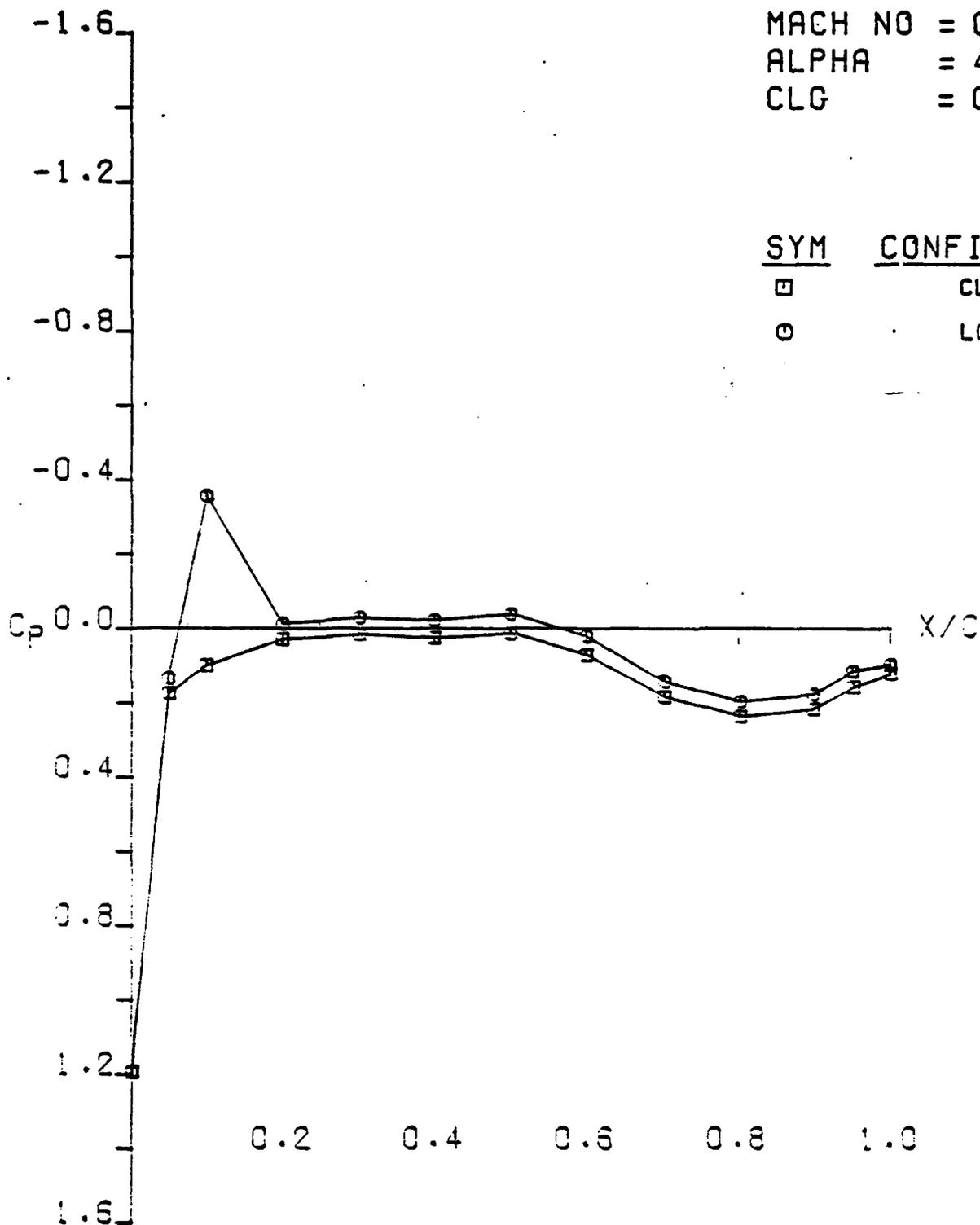
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

SYM	CONFIGURATION
□	CLEAN
○	LOW



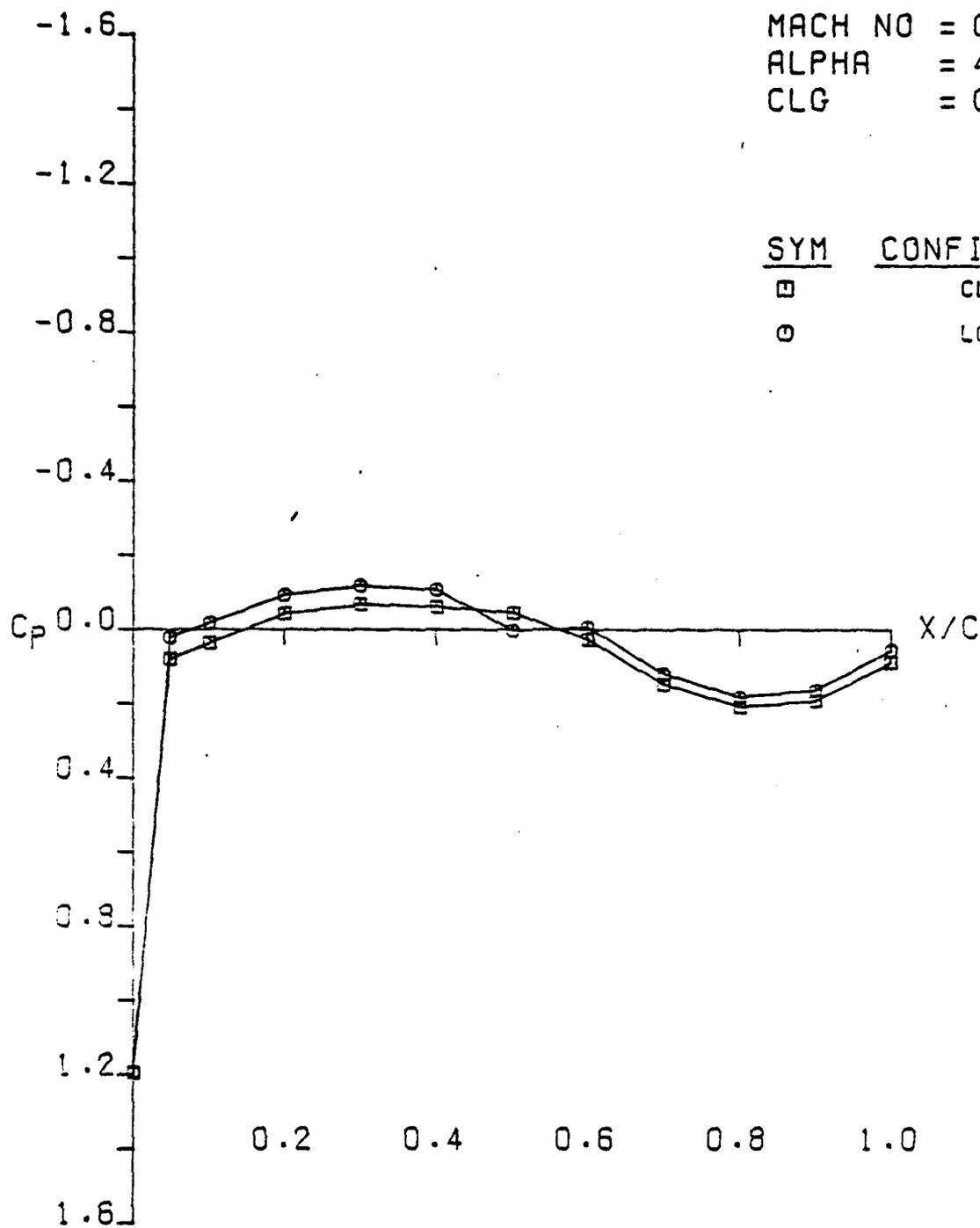
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

SYM	CONFIGURATION
□	CLEAN
○	LOW

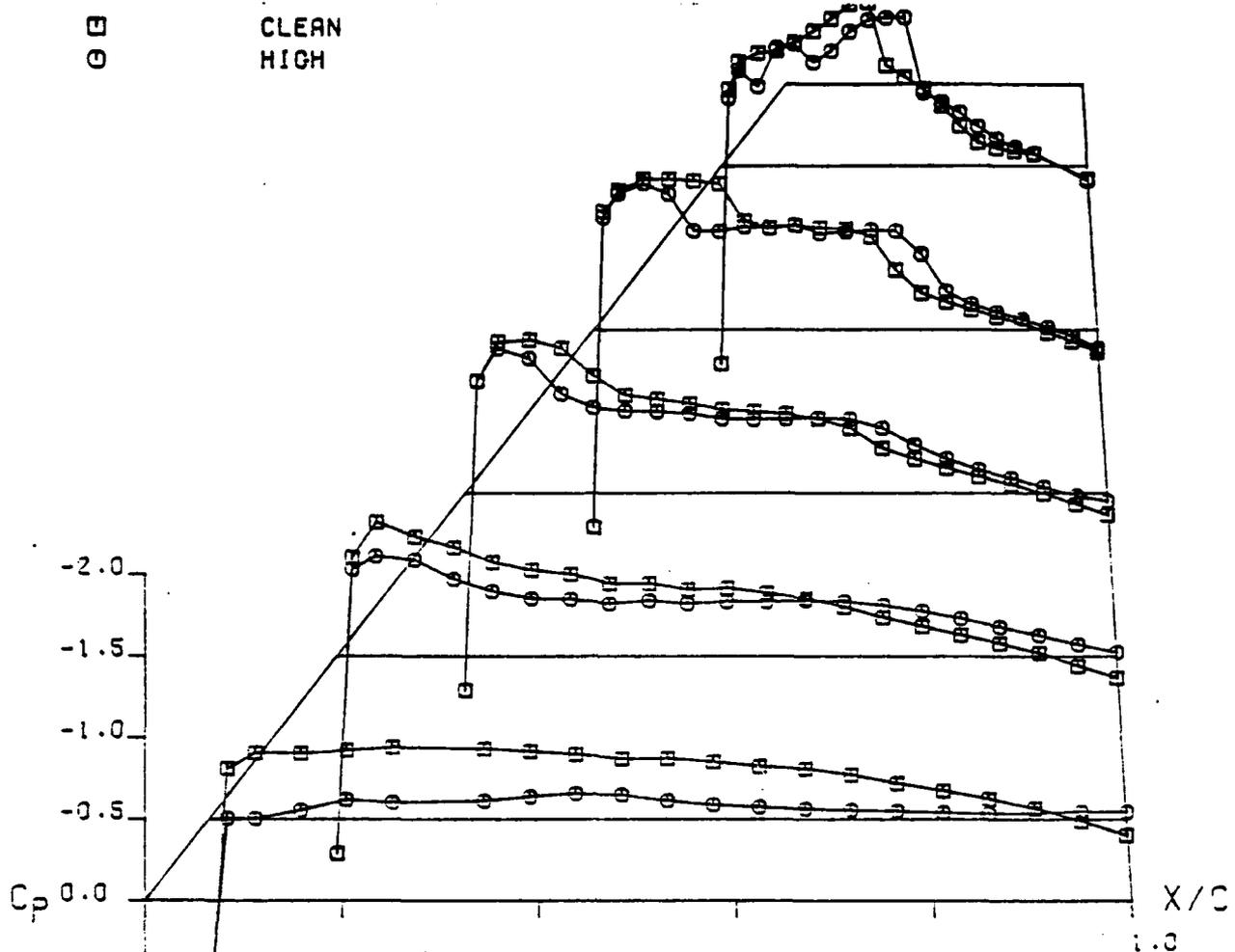
LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.851
 ALPHA = 4.920
 CLG = 0.485

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 37
 CLN VS LOW (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C



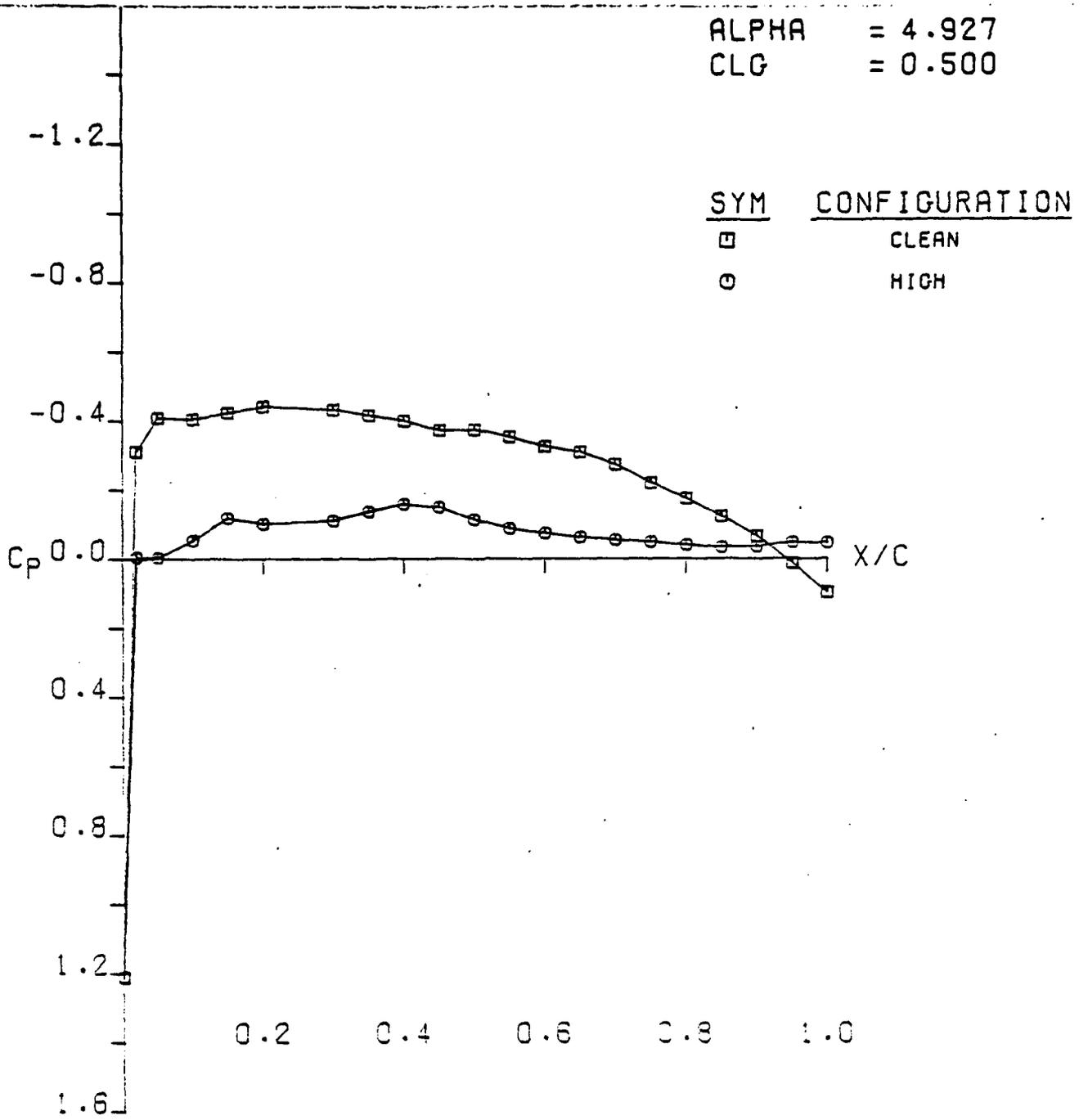
CLEAN
HIGH

CONDITIONS

MACH NO = 0.396
 ALPHA = 4.927
 CL = 0.500
 CD = 0.046
 CM = -0.083
 CLG = 0.500

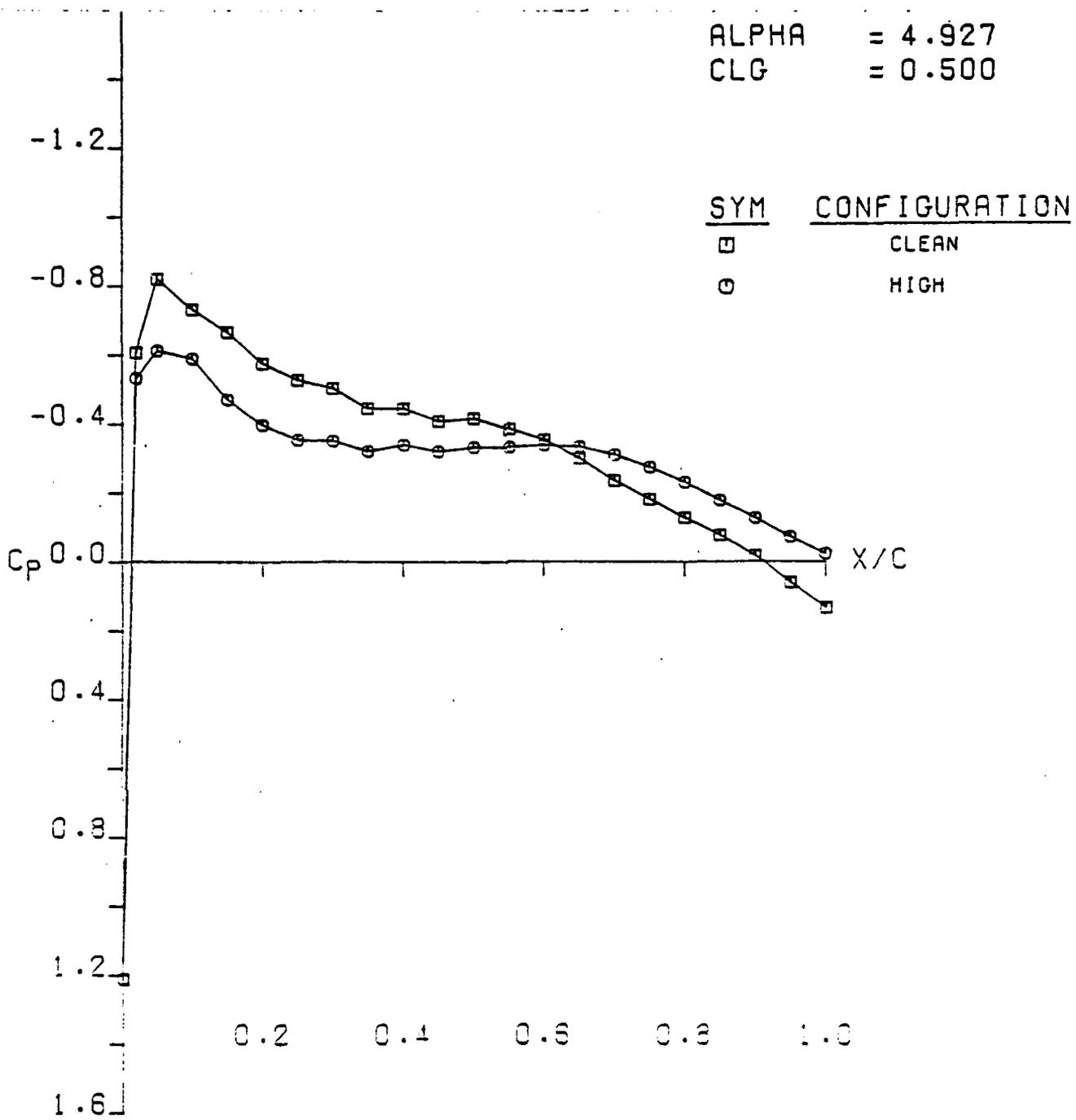
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS HIGH (UPR SURF)
 NUMERICALLY OPTIMIZED WING C

ALPHA = 4.927
CLG = 0.500



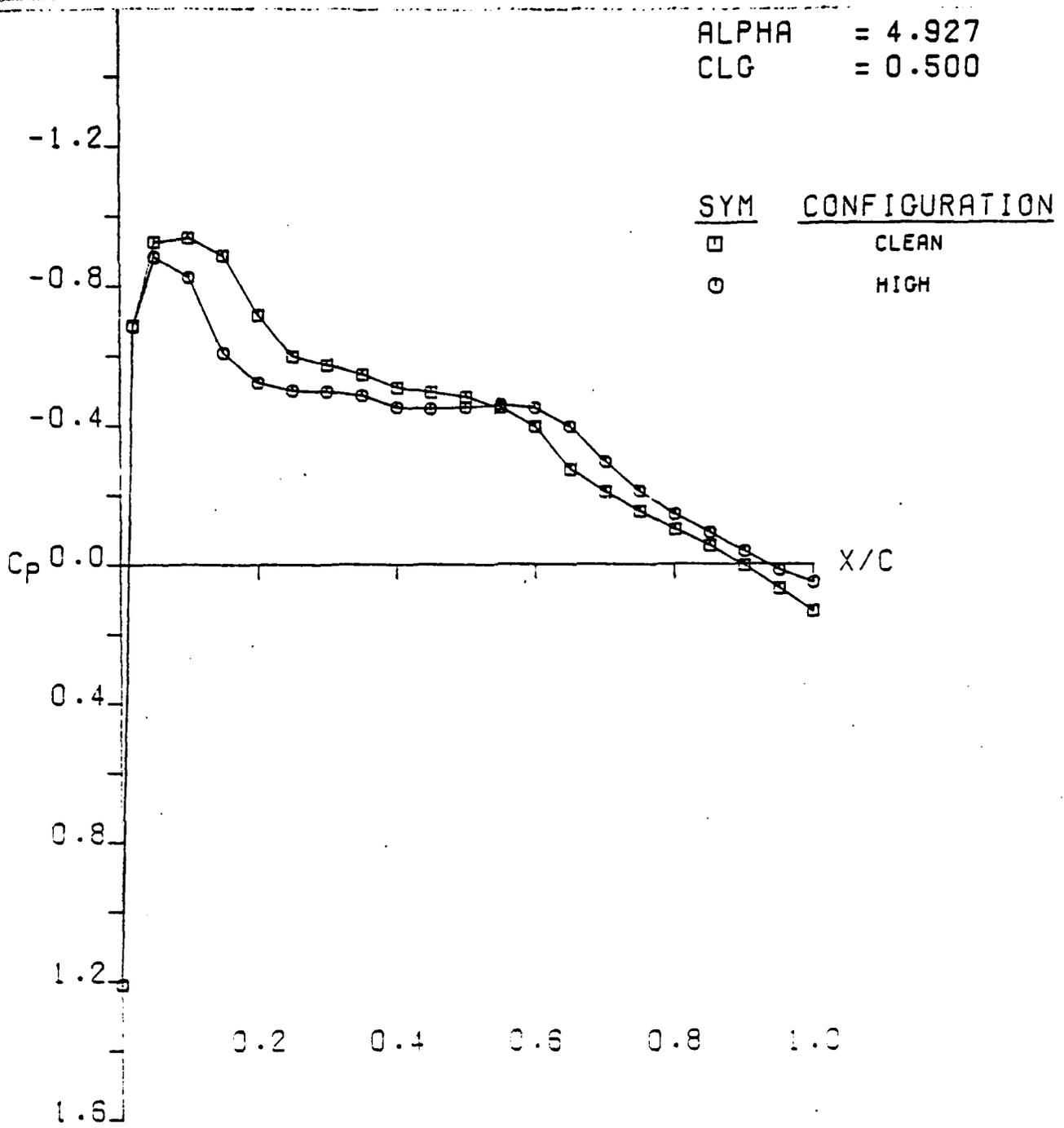
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C

ALPHA = 4.927
 CLG = 0.500



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS HIGH (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

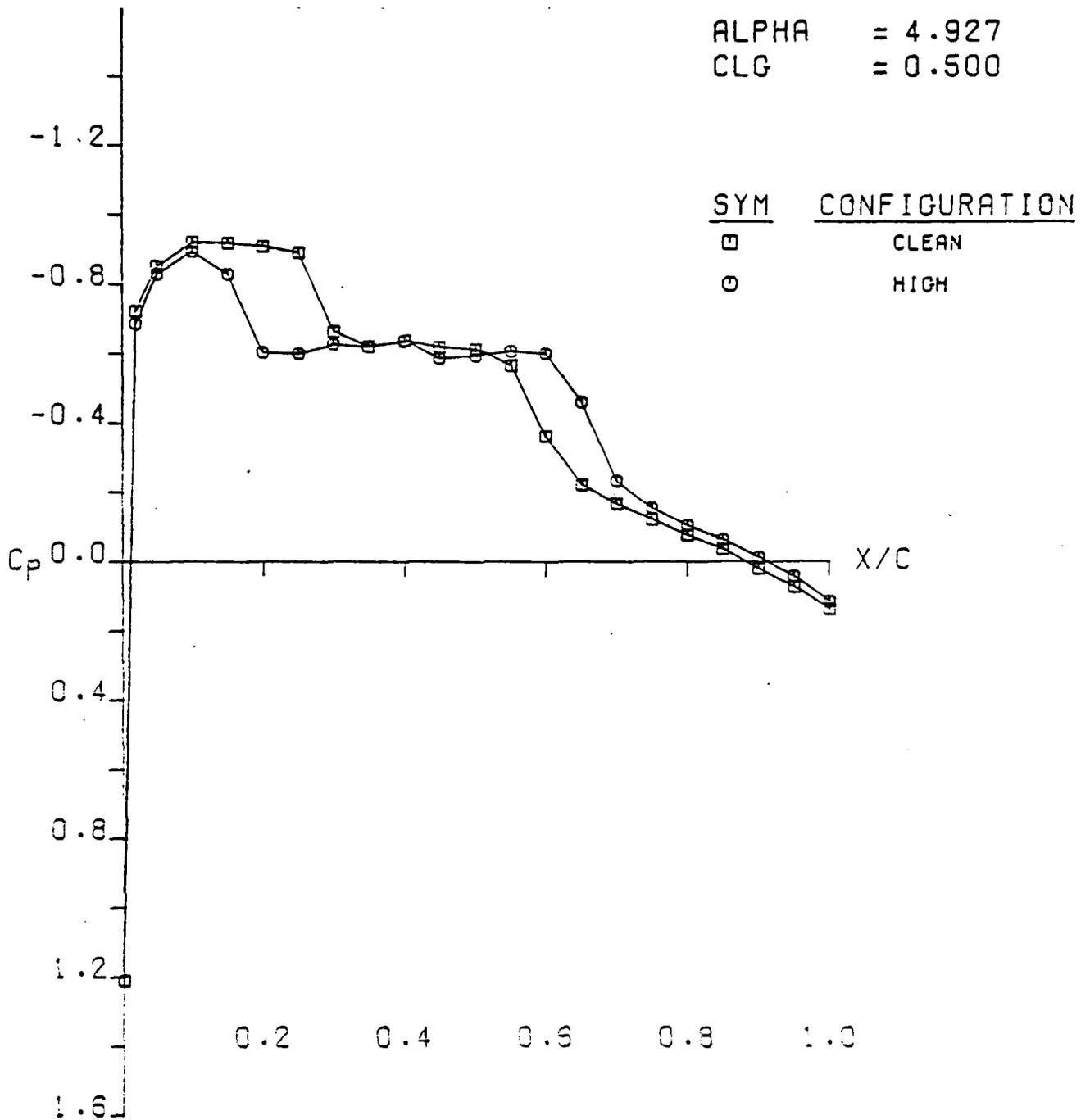
ALPHA = 4.927
CLG = 0.500



SYM CONFIGURATION
□ CLEAN
○ HIGH

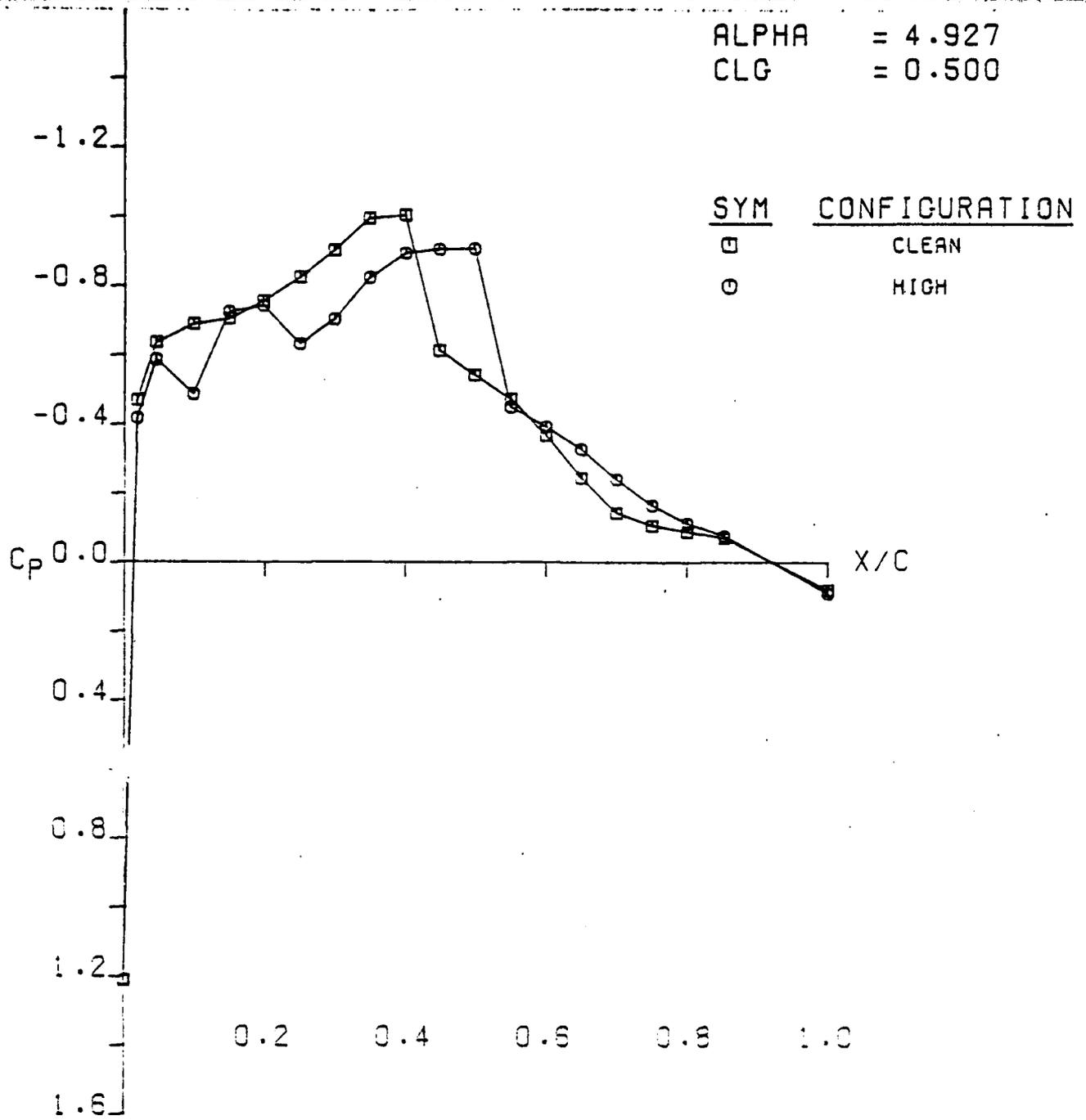
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (UPR SURF ETA .50)
NUMERICALLY OPTIMIZED WING C

ALPHA = 4.927
CLG = 0.500



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (UPR SURF ETA .70)
NUMERICALLY OPTIMIZED WING C

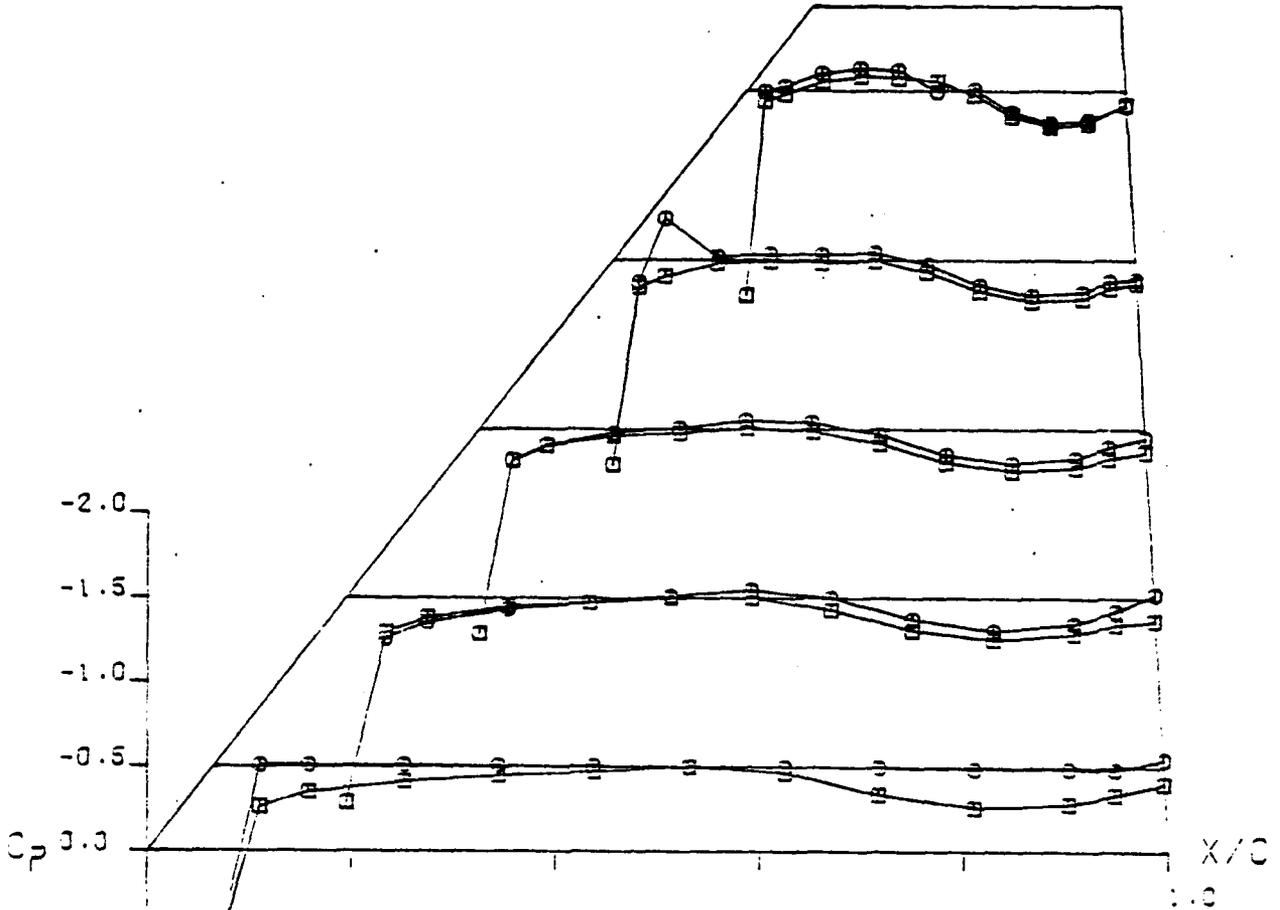
ALPHA = 4.927
CLG = 0.500



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS HIGH (UPR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C

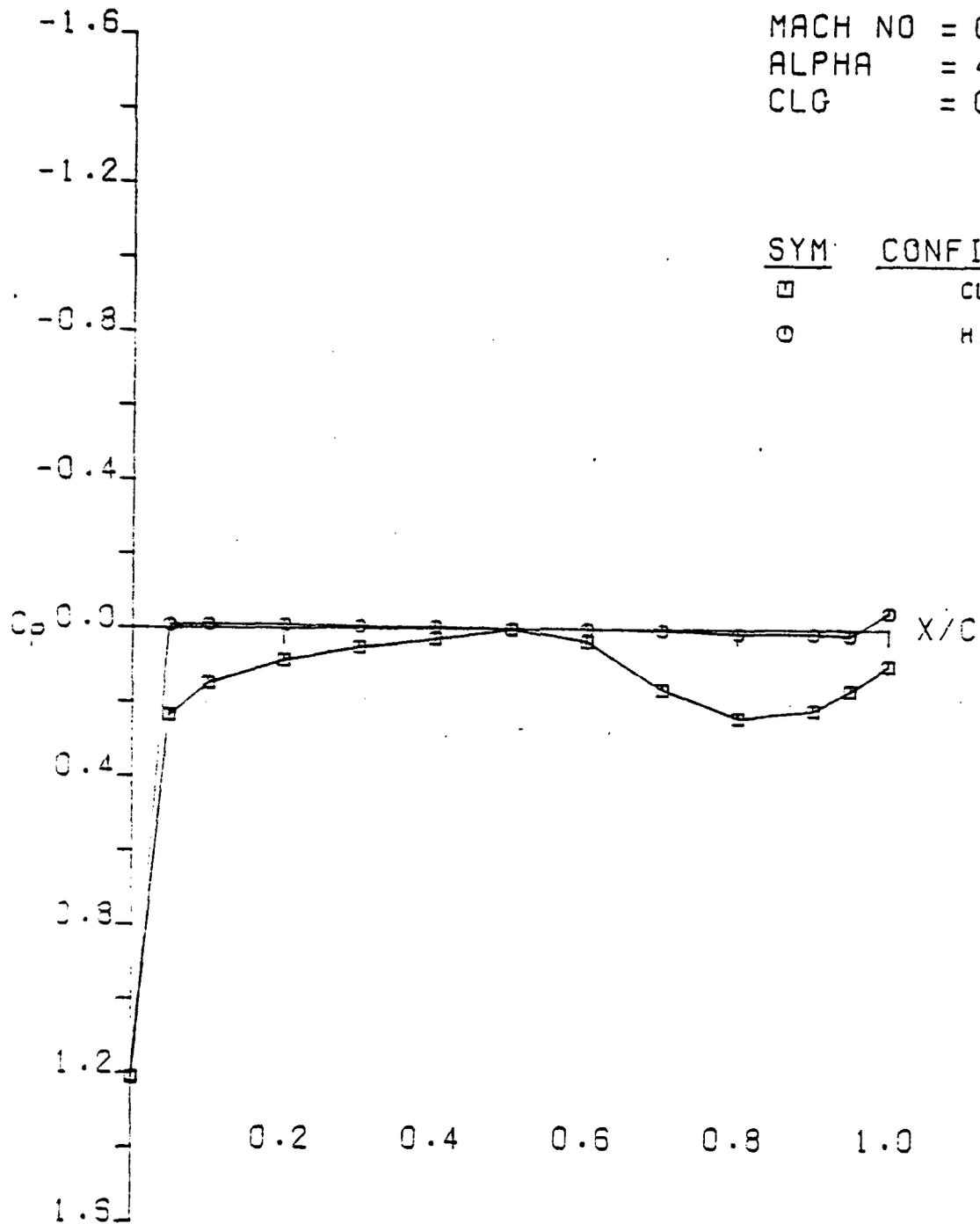
SYM CONFIGURATION

□ CLEAN
 ○ HIGH

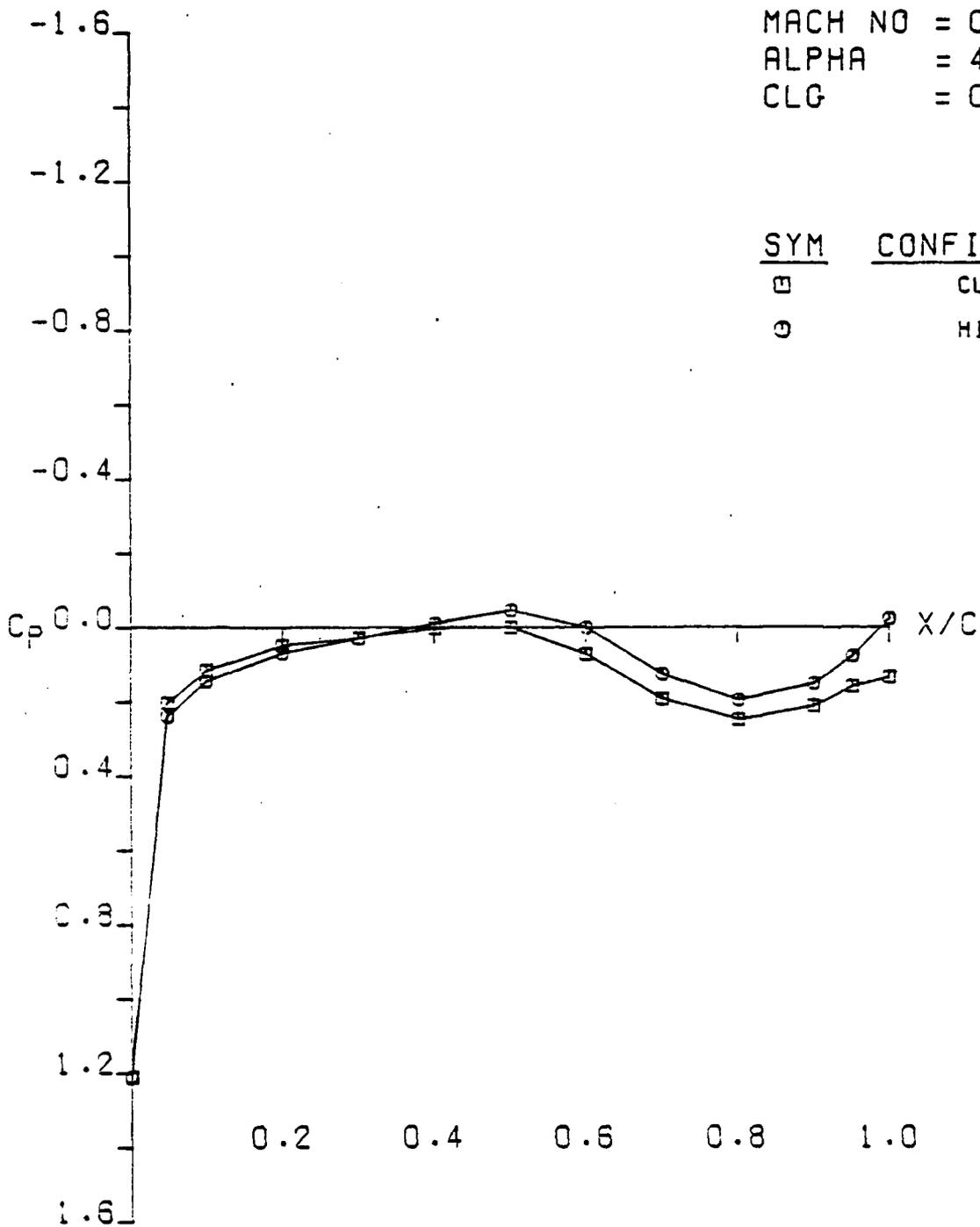


CONDITIONS
 MACH NO = 0.385
 ALPHA = 4.927
 CL = 0.500
 CD = 0.046
 CM = -0.083
 CLG = 0.500

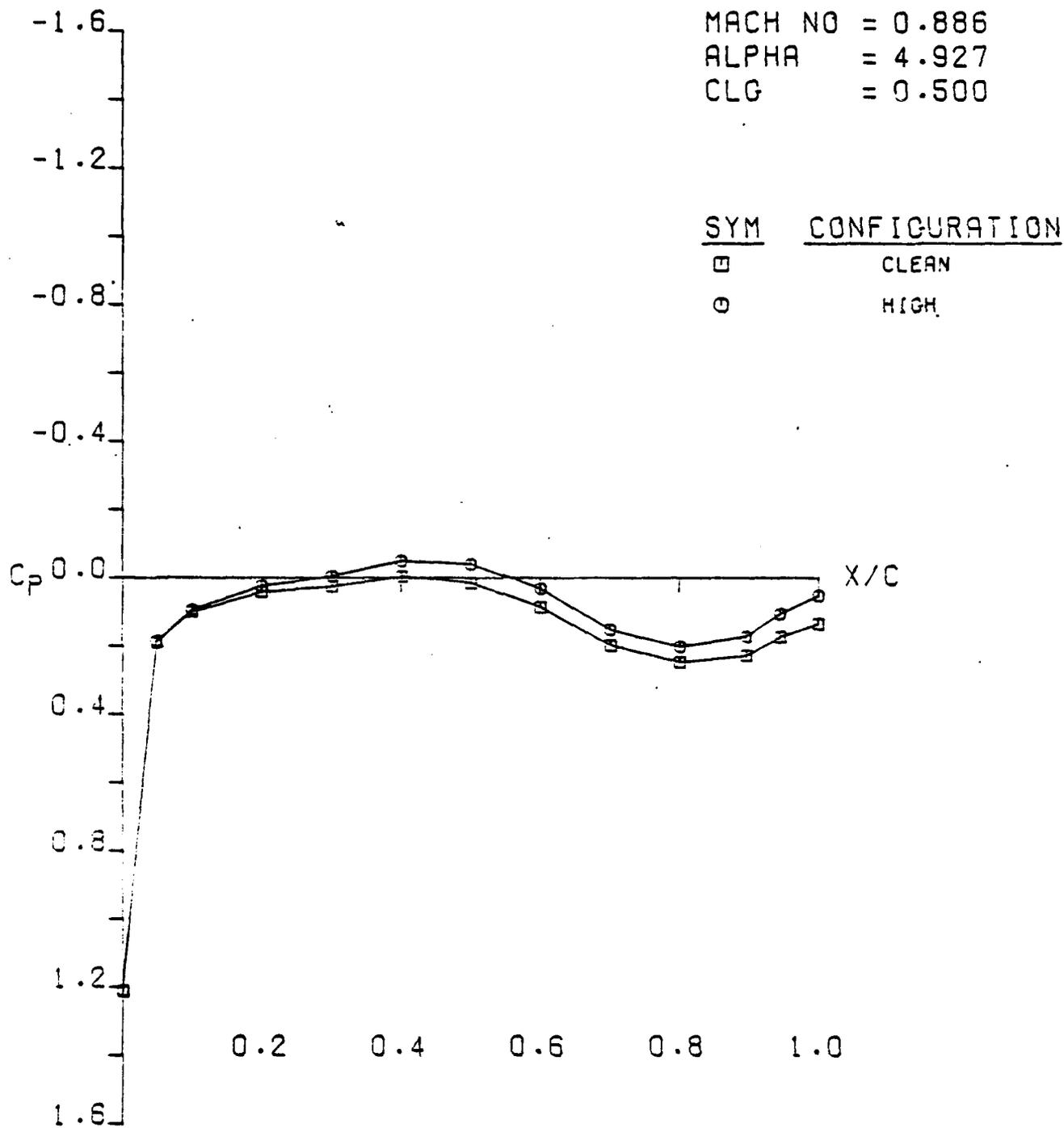
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS HIGH (LWR SURF)
 NUMERICALLY OPTIMIZED WING C



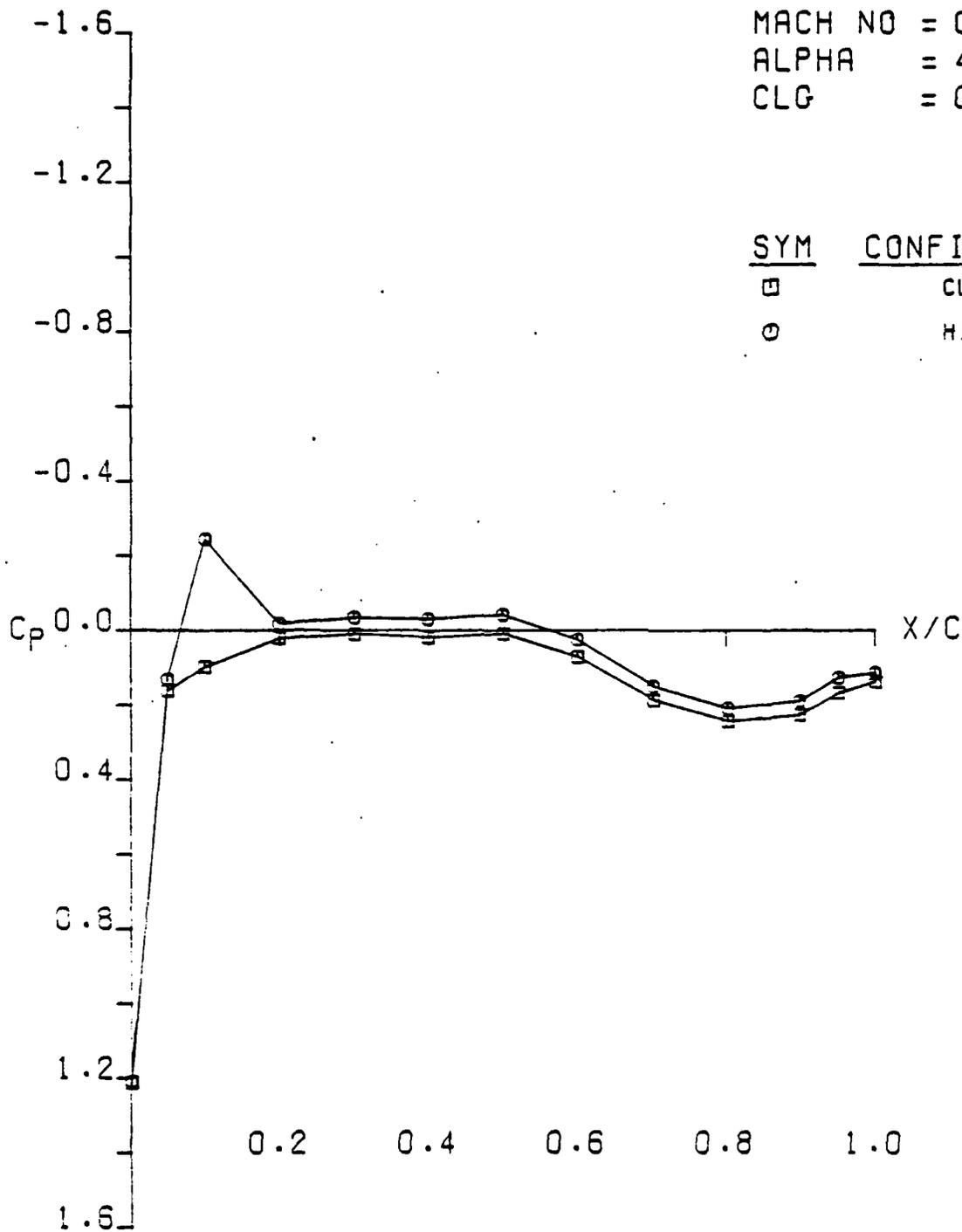
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS HIGH (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



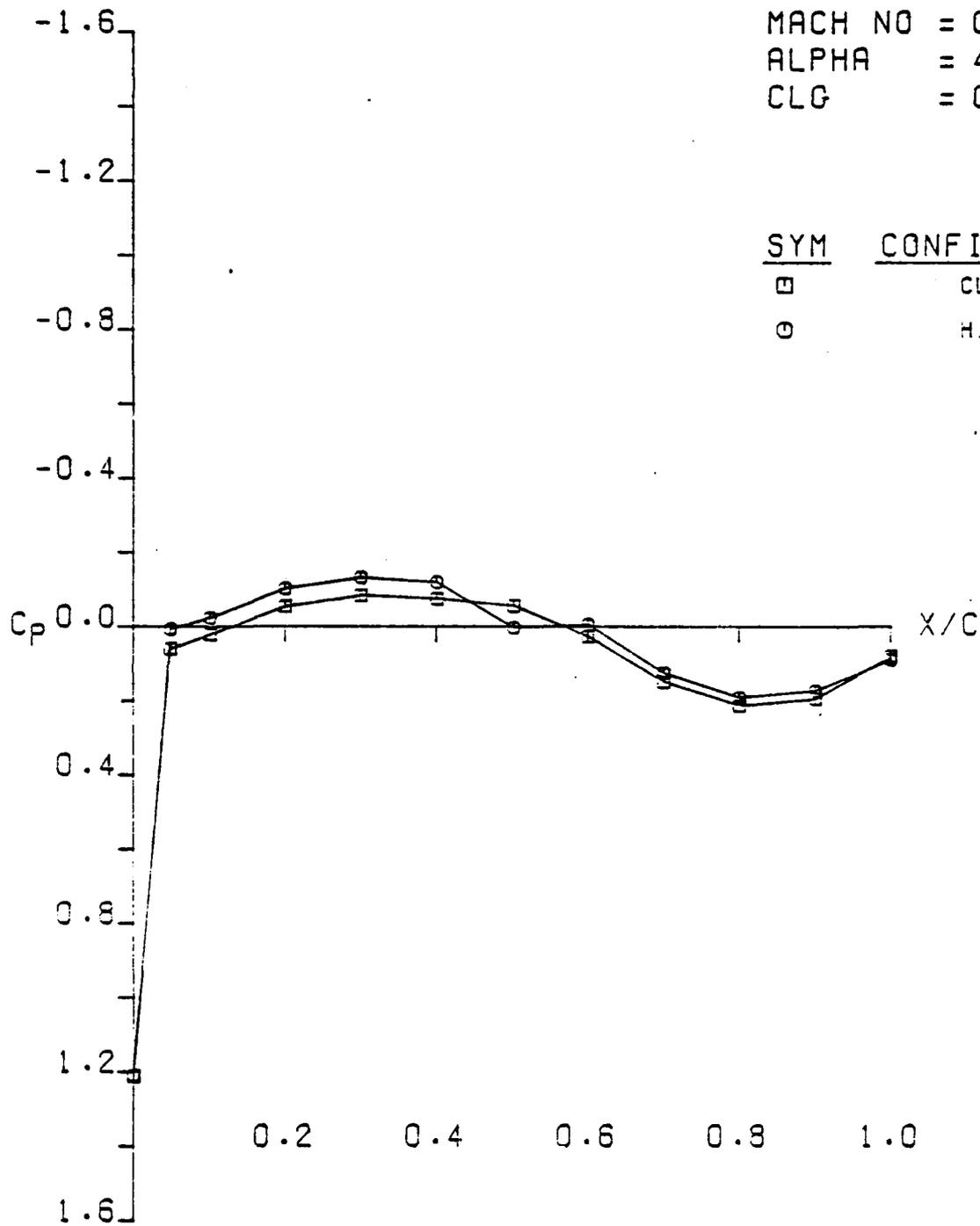
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS HIGH (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS HIGH (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS HIGH (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.886

ALPHA = 4.927

CLG = 0.500

SYM CONFIGURATION

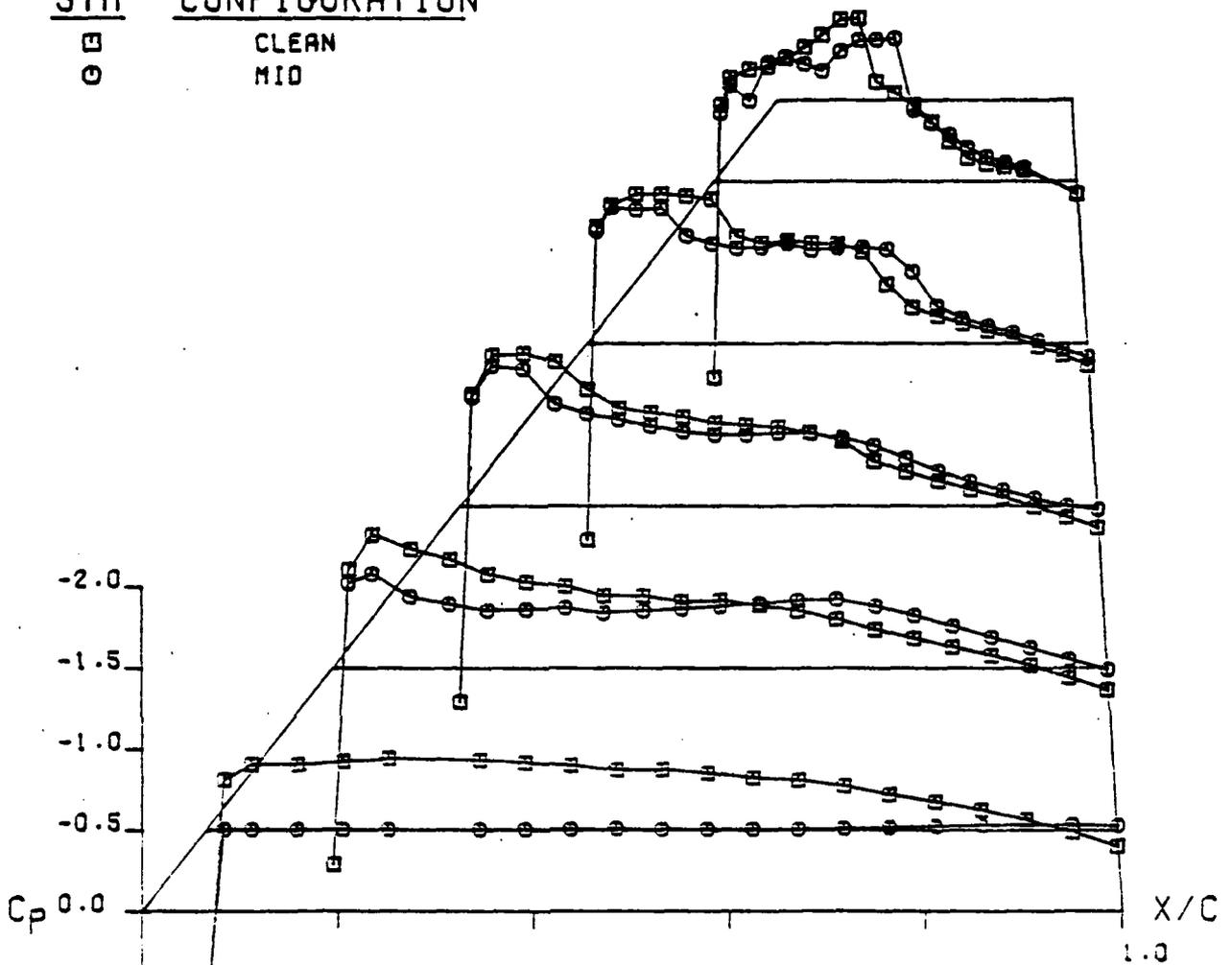
□ CLEAN

○ HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS HIGH (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

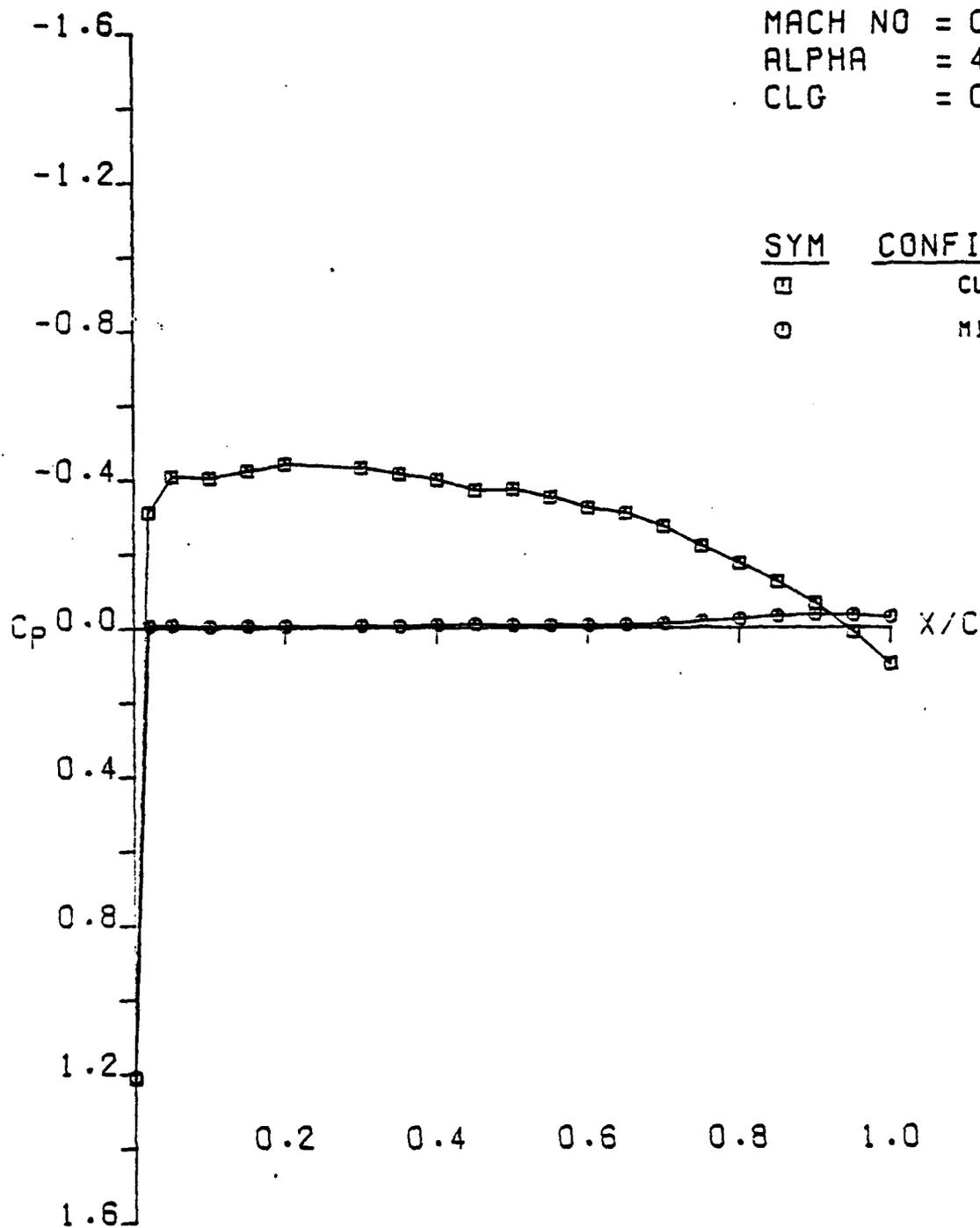
□ CLEAN
 ○ MID



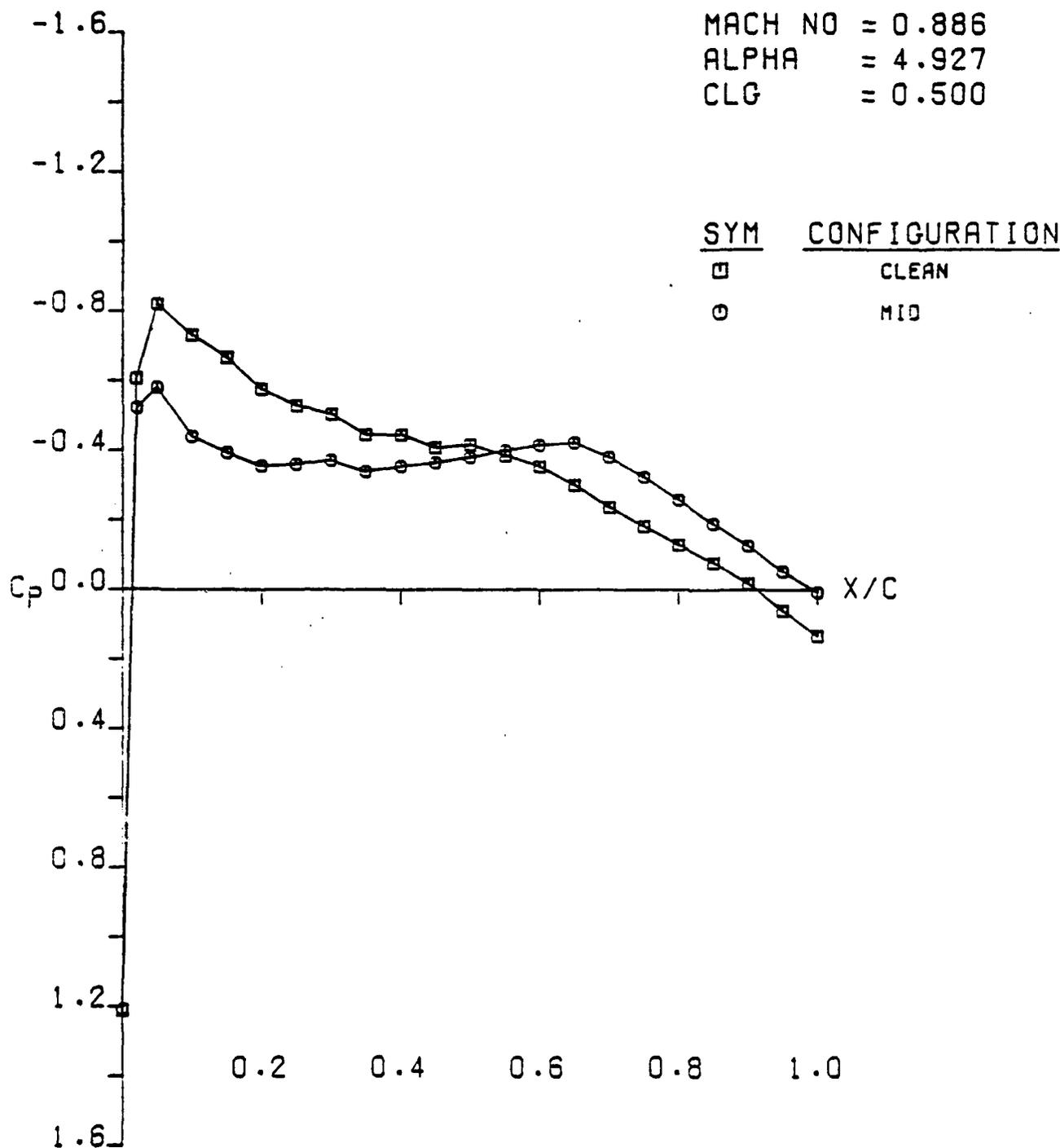
CONDITIONS

MACH NO = 0.886
 ALPHA = 4.927
 CL = 0.500
 CD = 0.046
 CM = -0.083
 CLG = 0.500

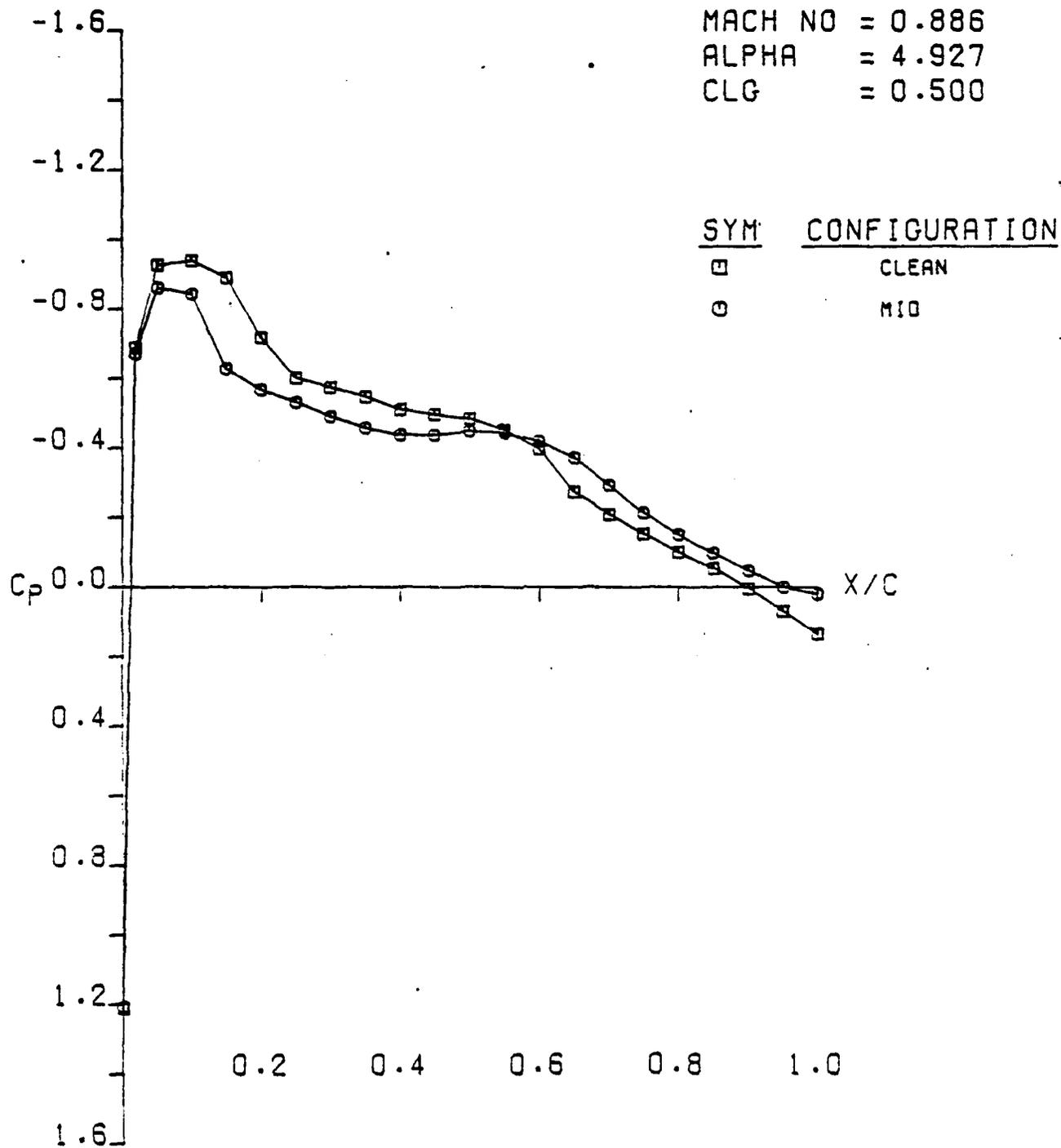
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (UPR SURF)
 NUMERICALLY OPTIMIZED WING C



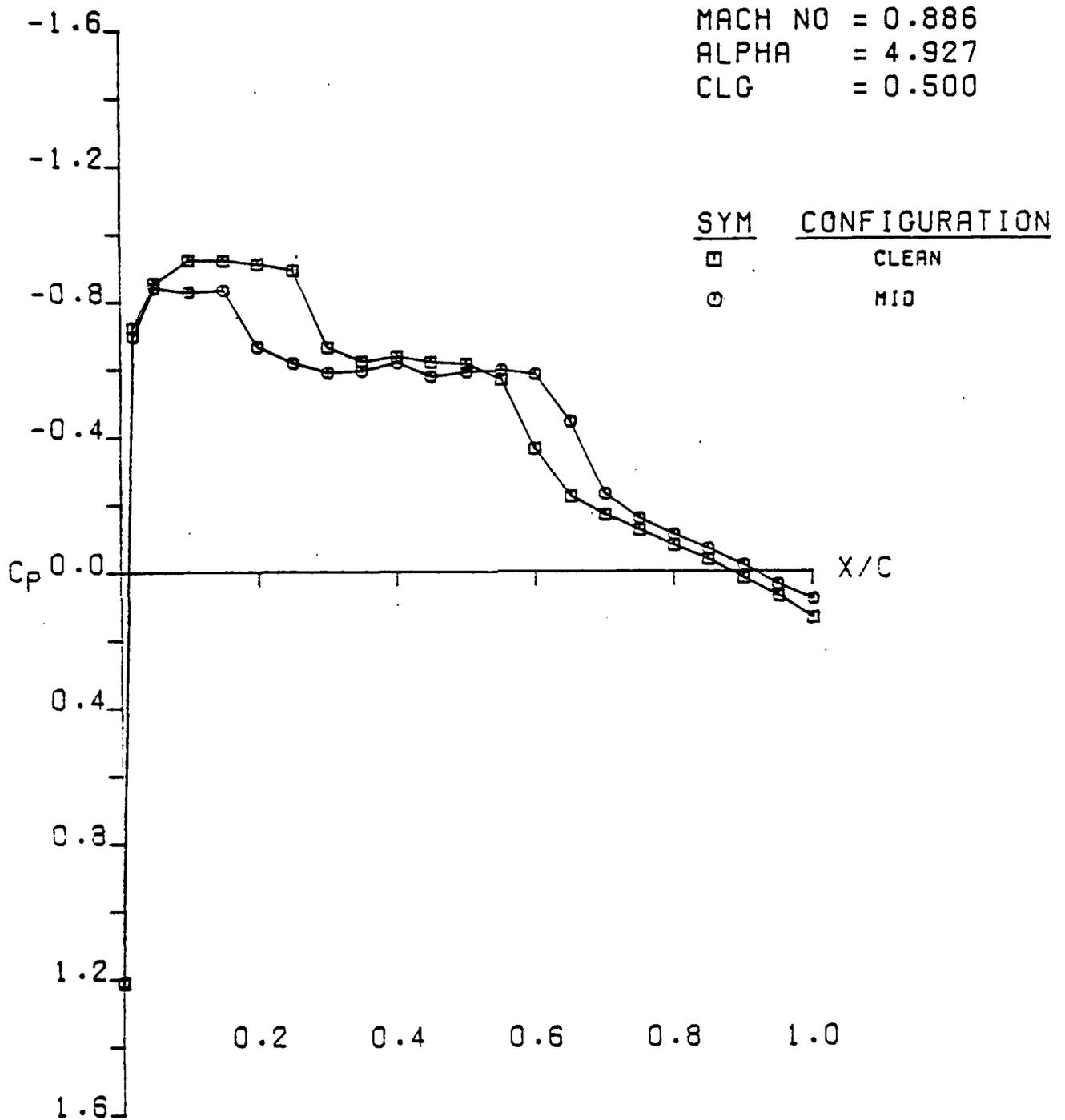
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (UPR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



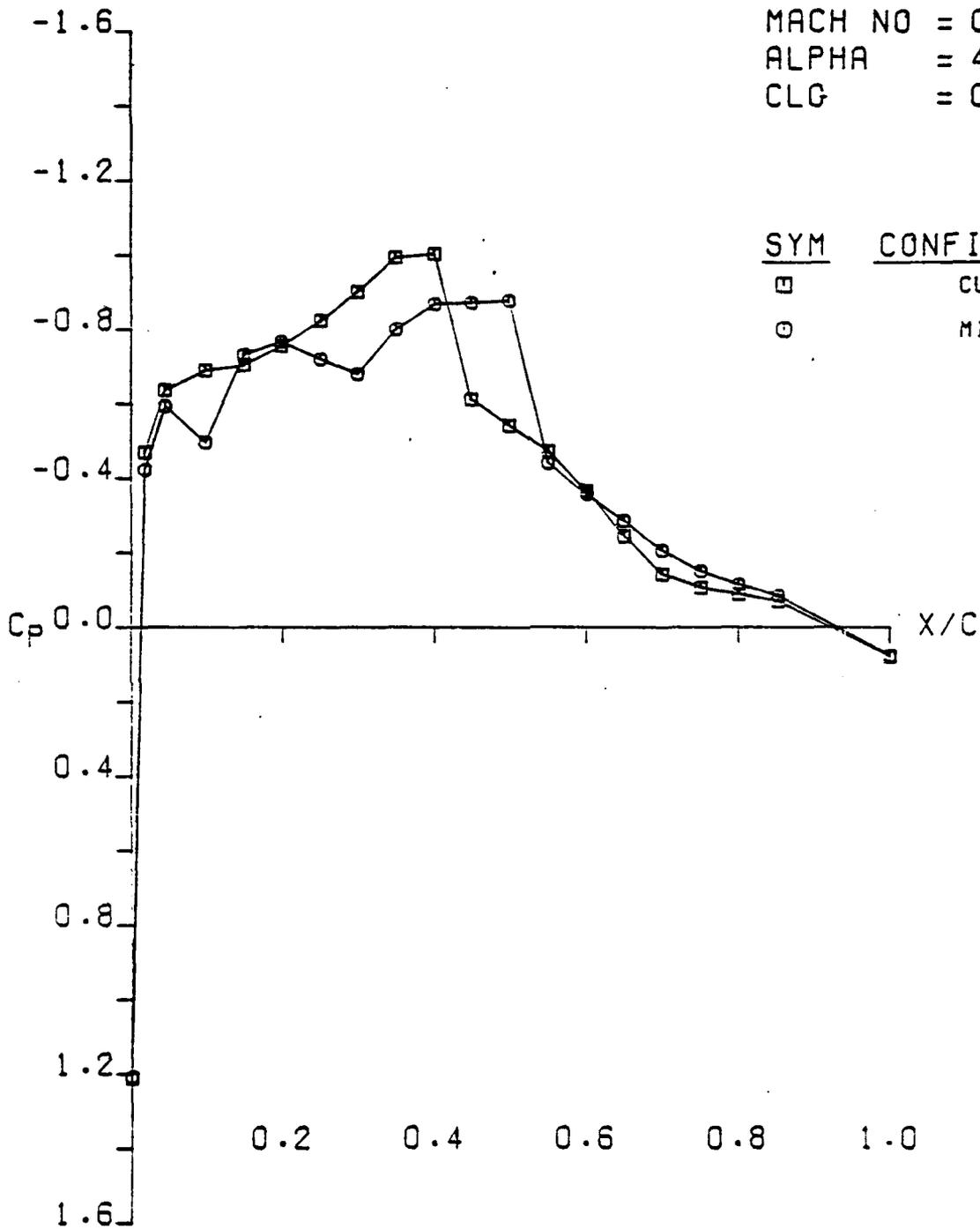
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



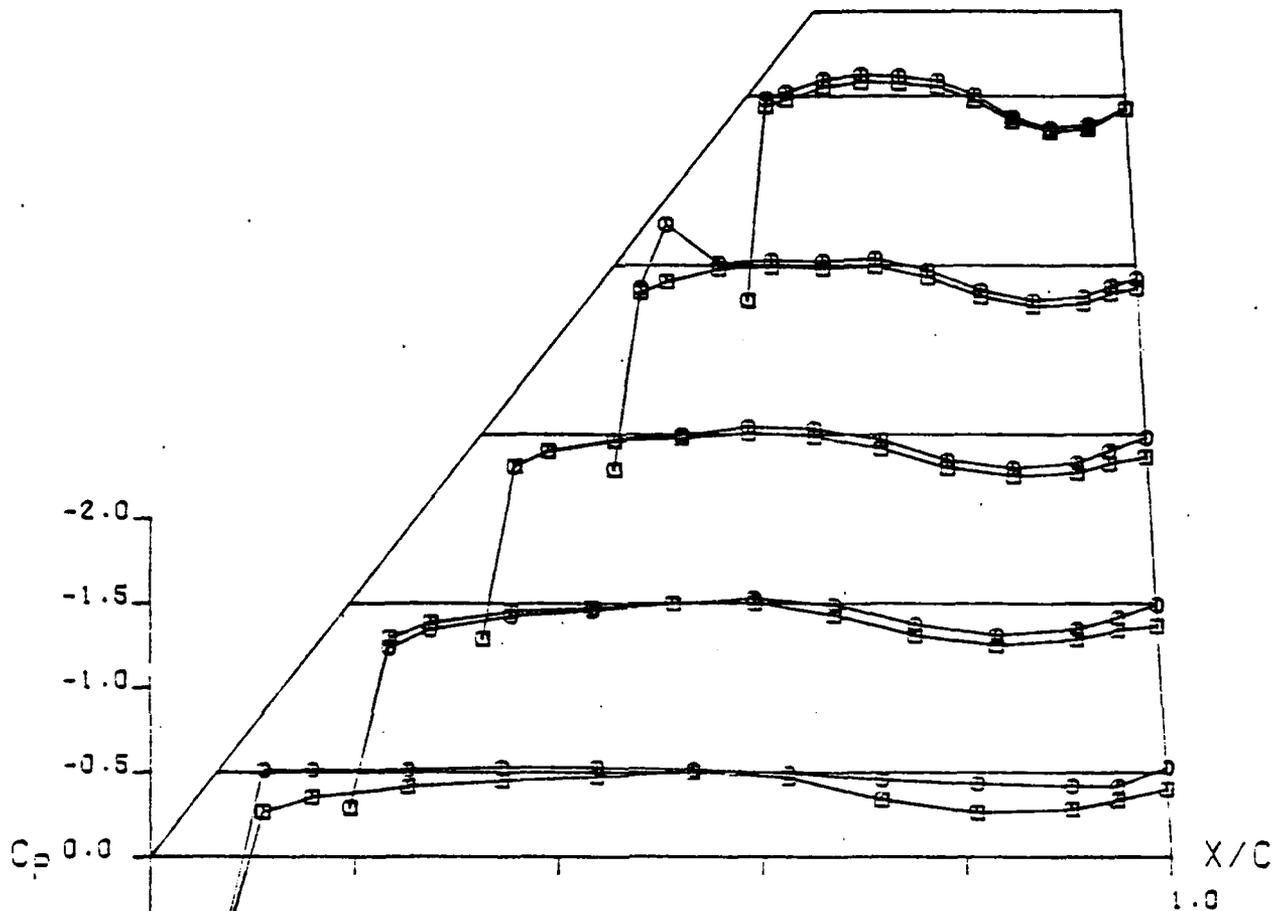
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

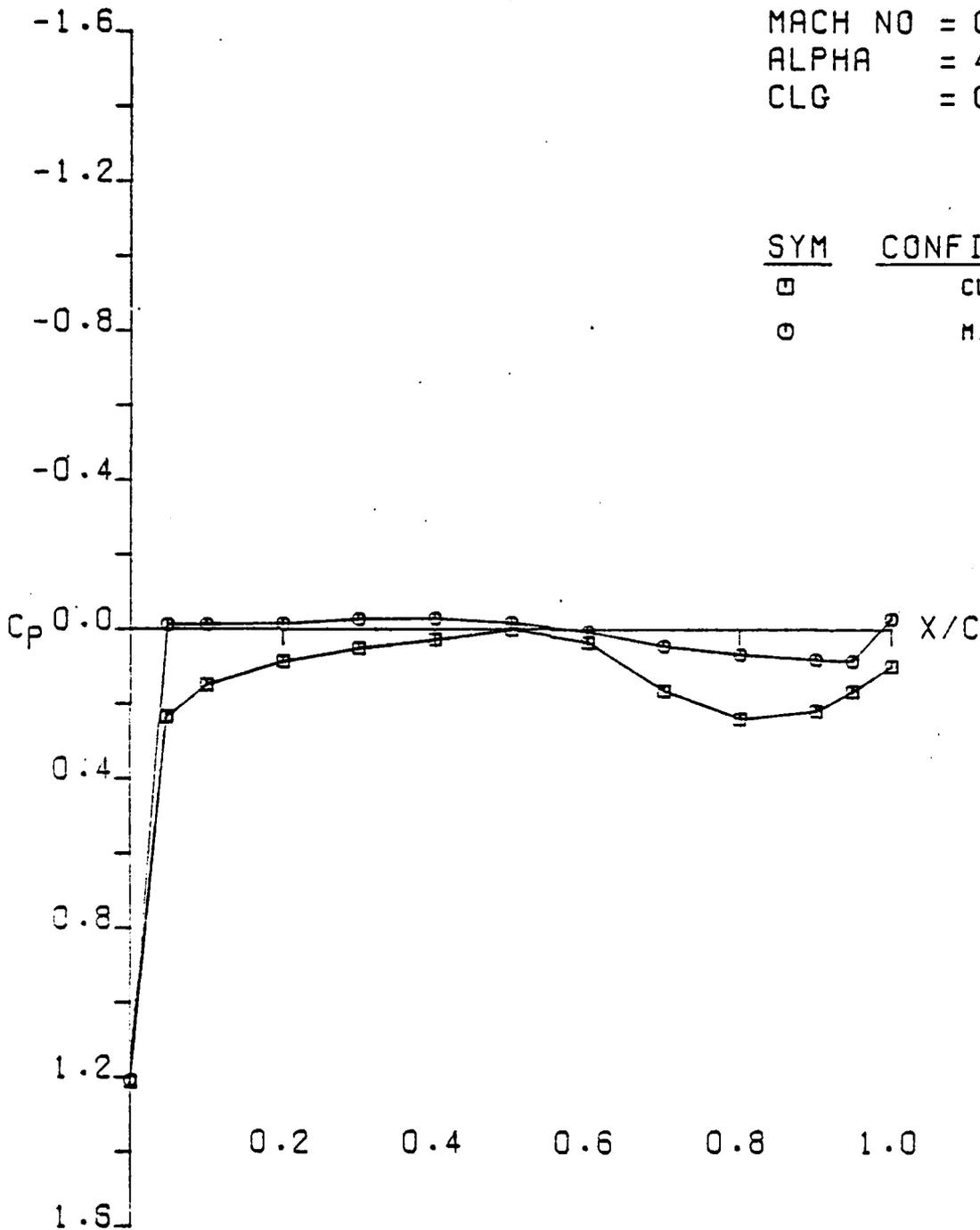
□ CLEAN
 ○ MID



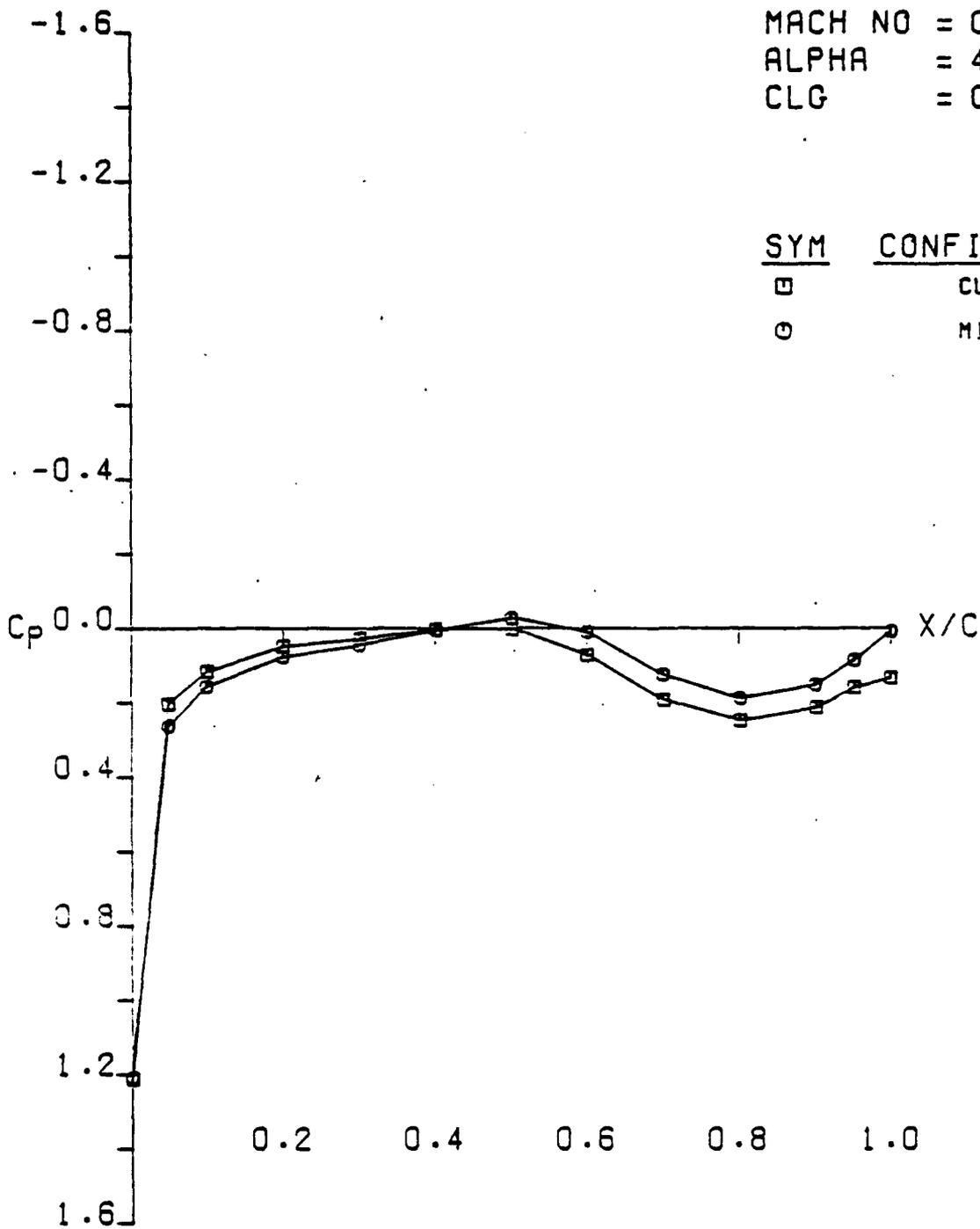
CONDITIONS

MACH NO = 0.396
 ALPHA = 4.327
 CL = 0.500
 CD = 0.046
 CM = -0.083
 CLG = 0.500

LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (LWR SURF)
 NUMERICALLY OPTIMIZED WING C



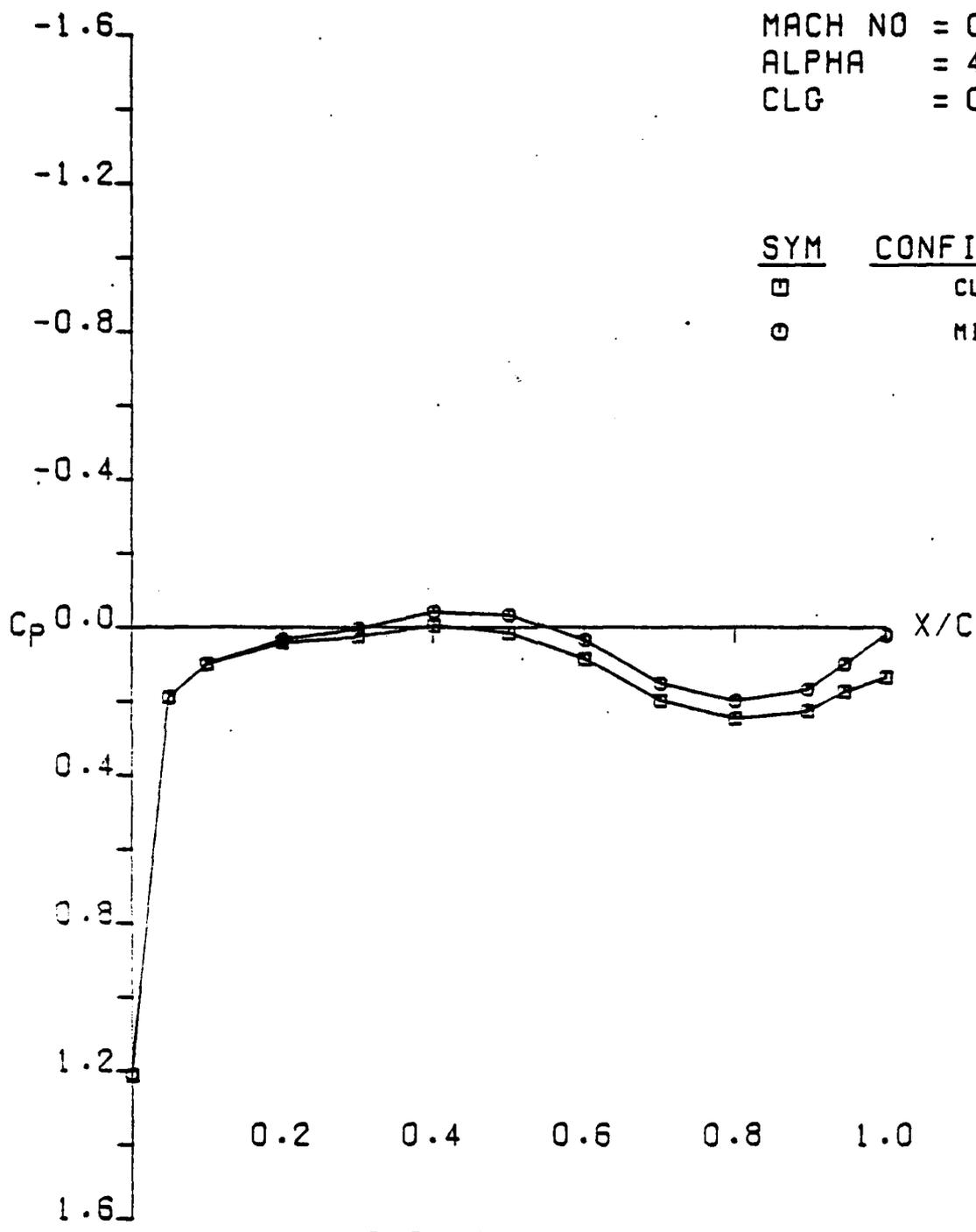
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.886
 ALPHA = 4.927
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

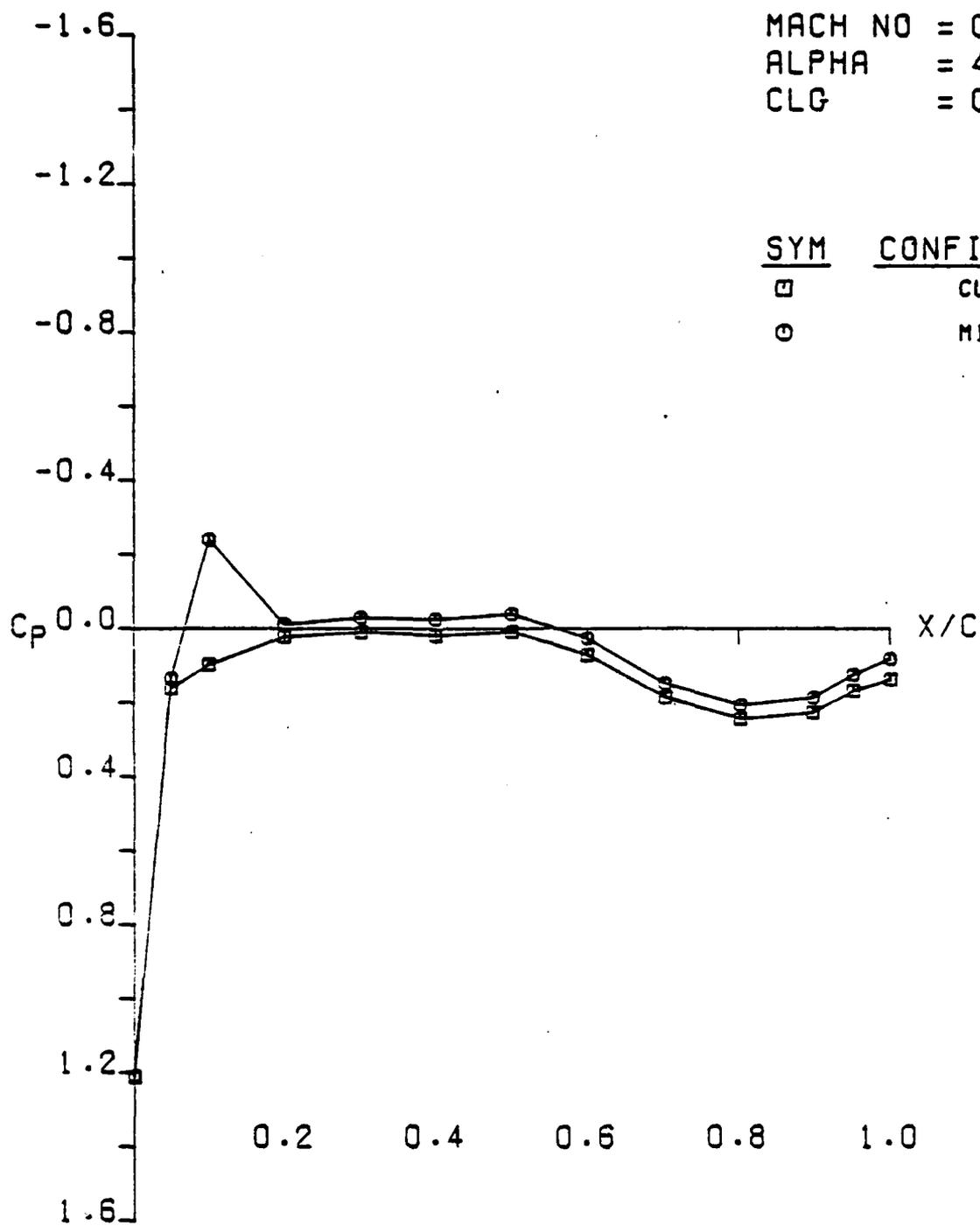
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.886
 ALPHA = 4.927
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



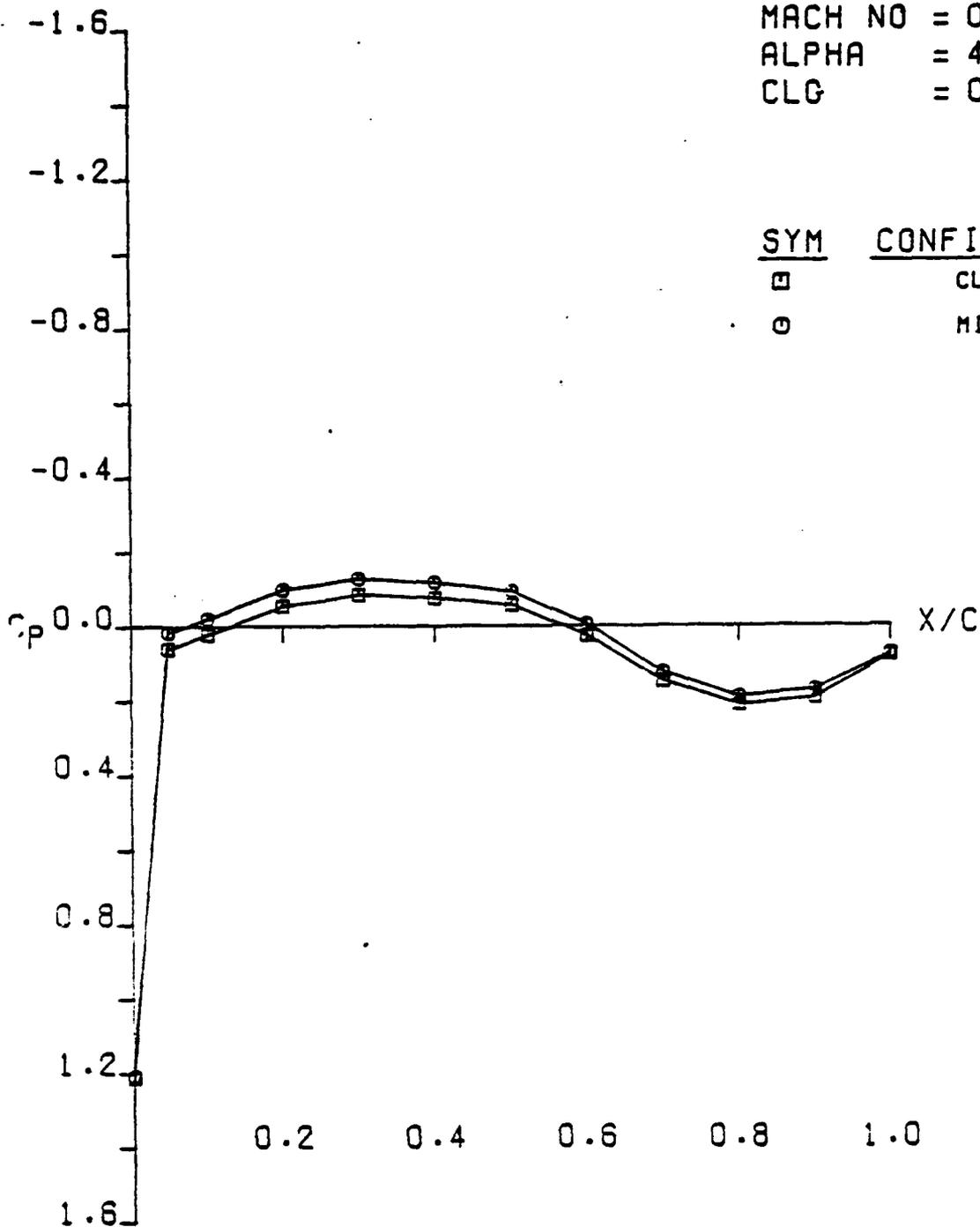
MACH NO = 0.886
 ALPHA = 4.927
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS MID - NO SEAL (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.886
ALPHA = 4.927
CLG = 0.500

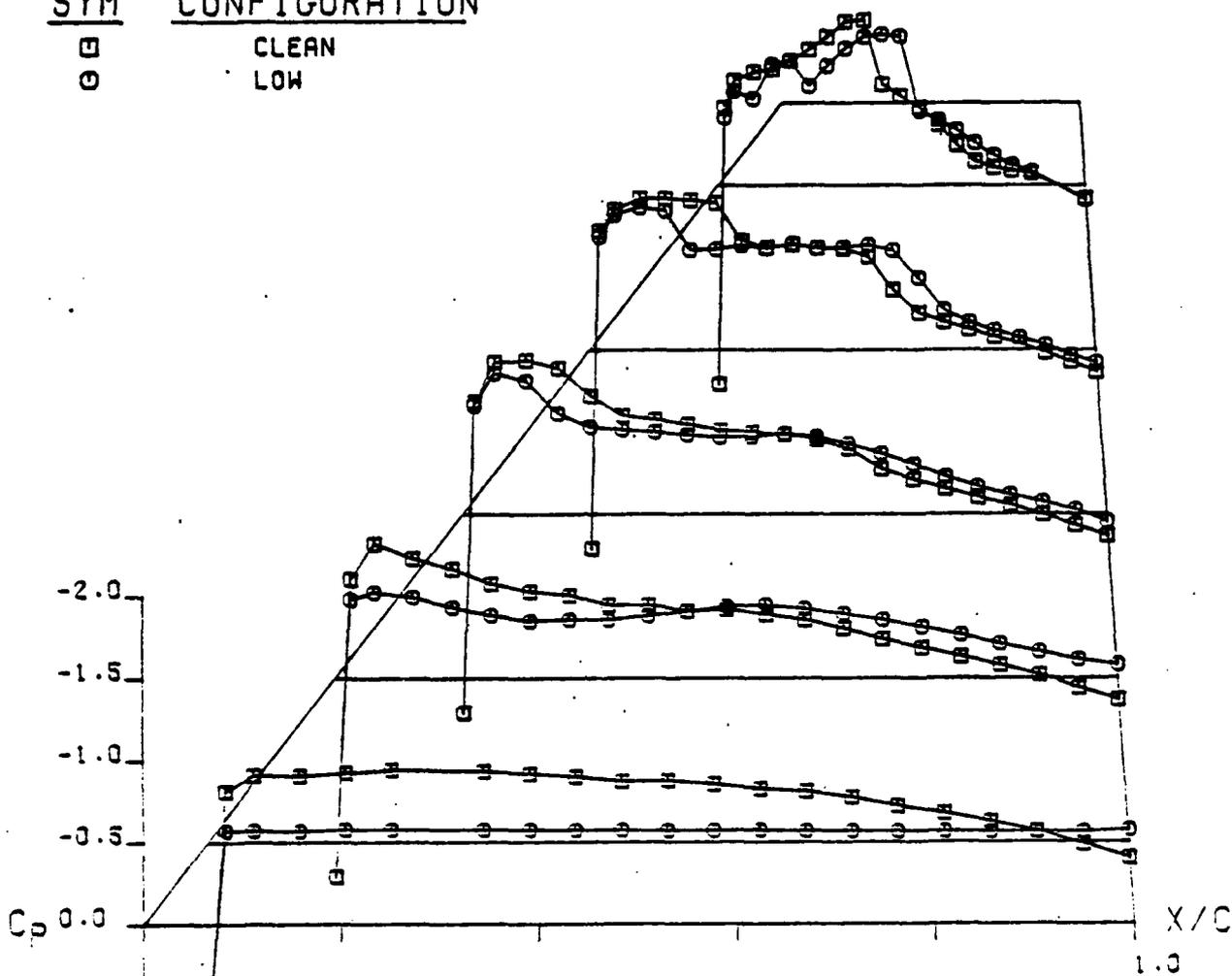
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS MID - NO SEAL (LWR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□ CLEAN
 ○ LOW

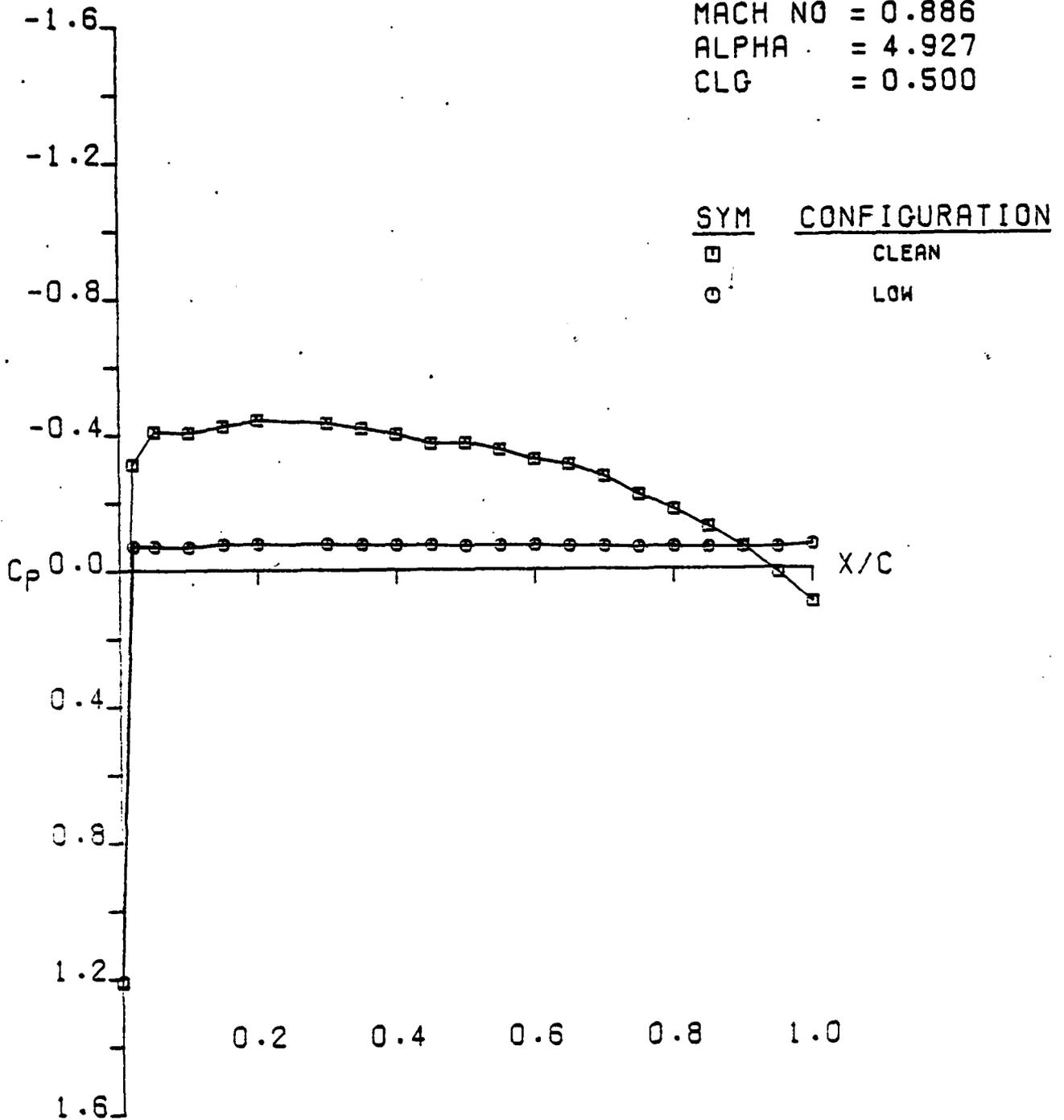


CONDITIONS

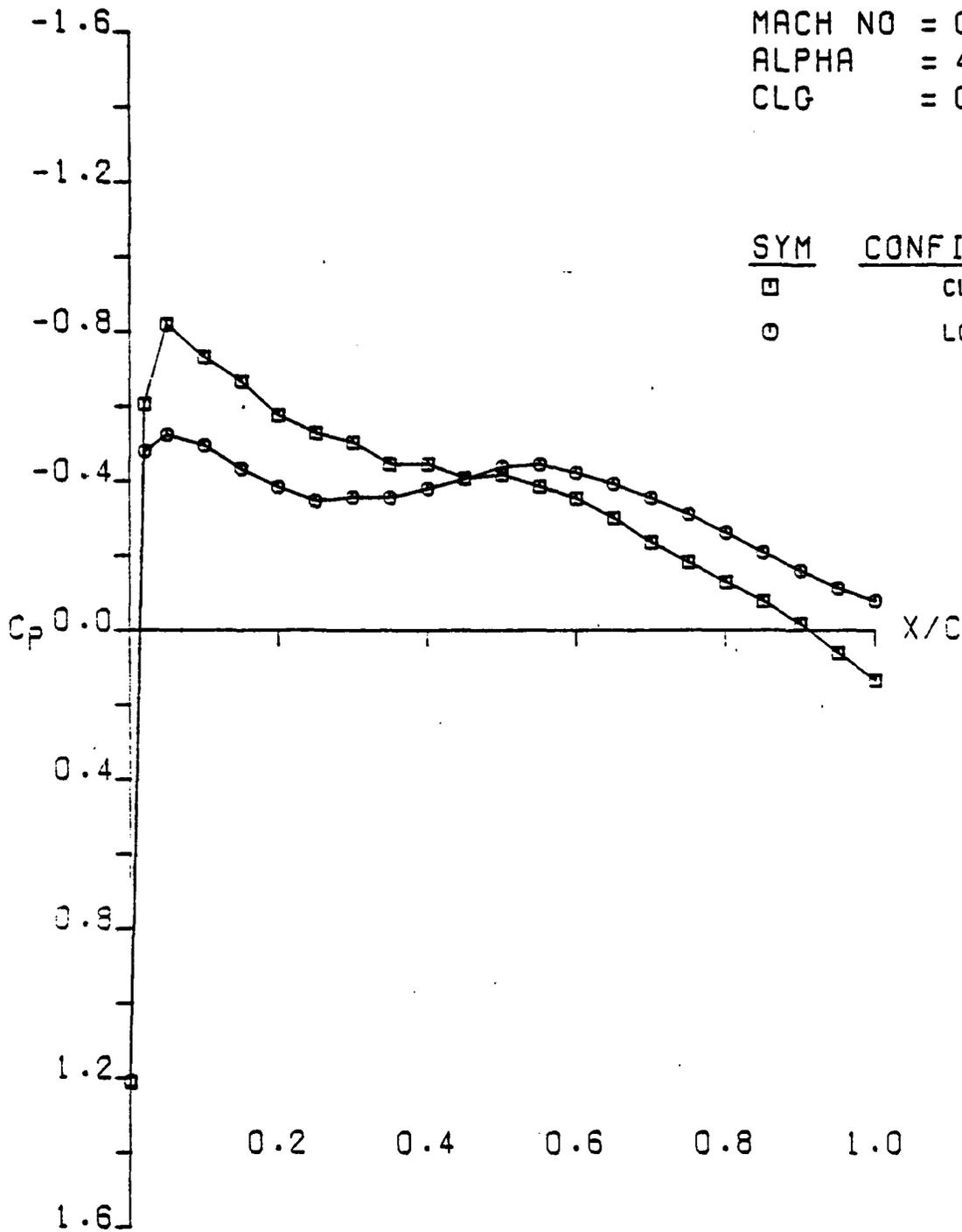
MACH NO = 0.386
 ALPHA = 4.927
 CL = 0.500
 CD = 0.046
 CM = -0.083
 CLG = 0.500

LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (UPR SURF)
 NUMERICALLY OPTIMIZED WING C

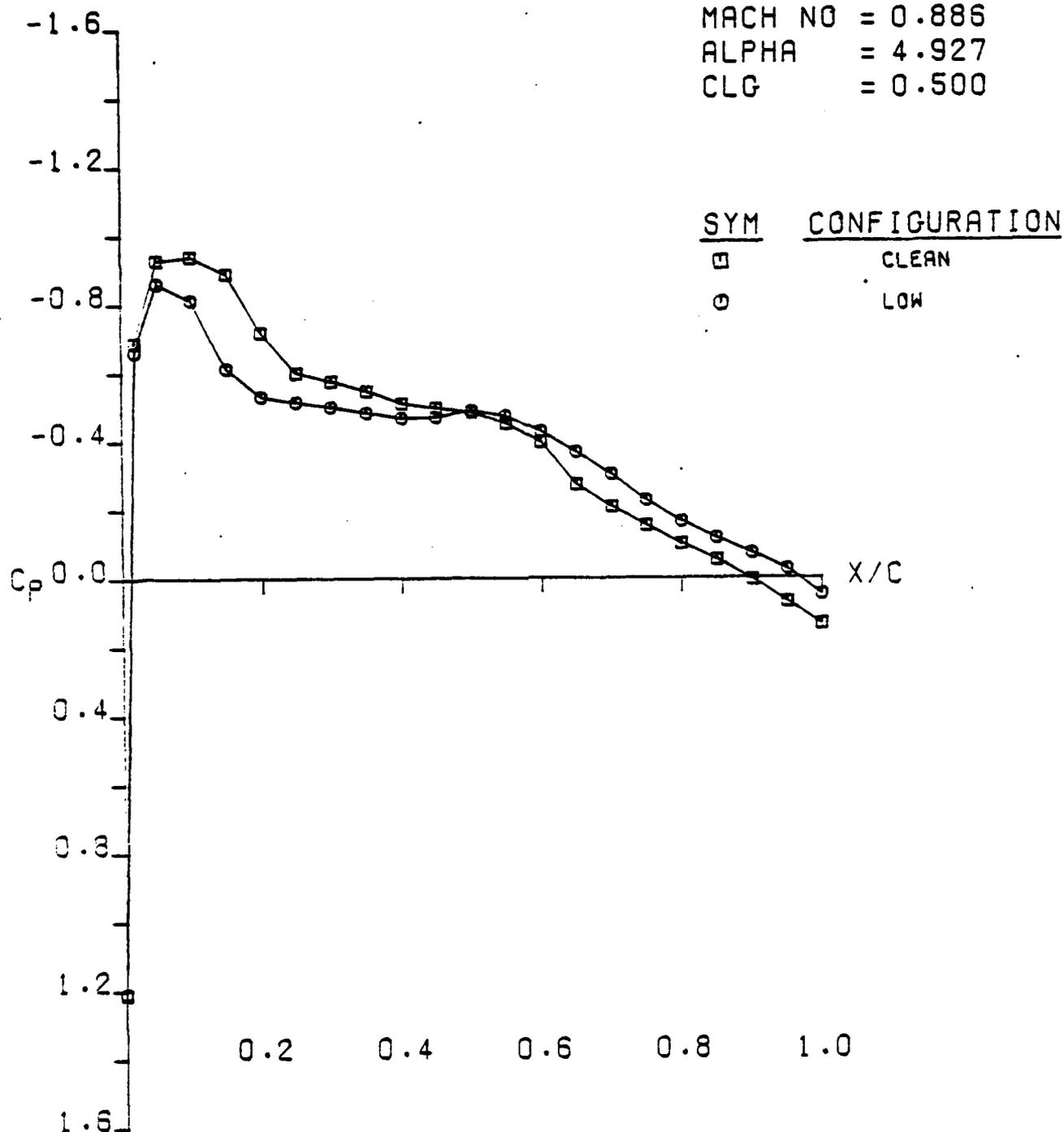
MACH NO = 0.886
ALPHA = 4.927
CLG = 0.500



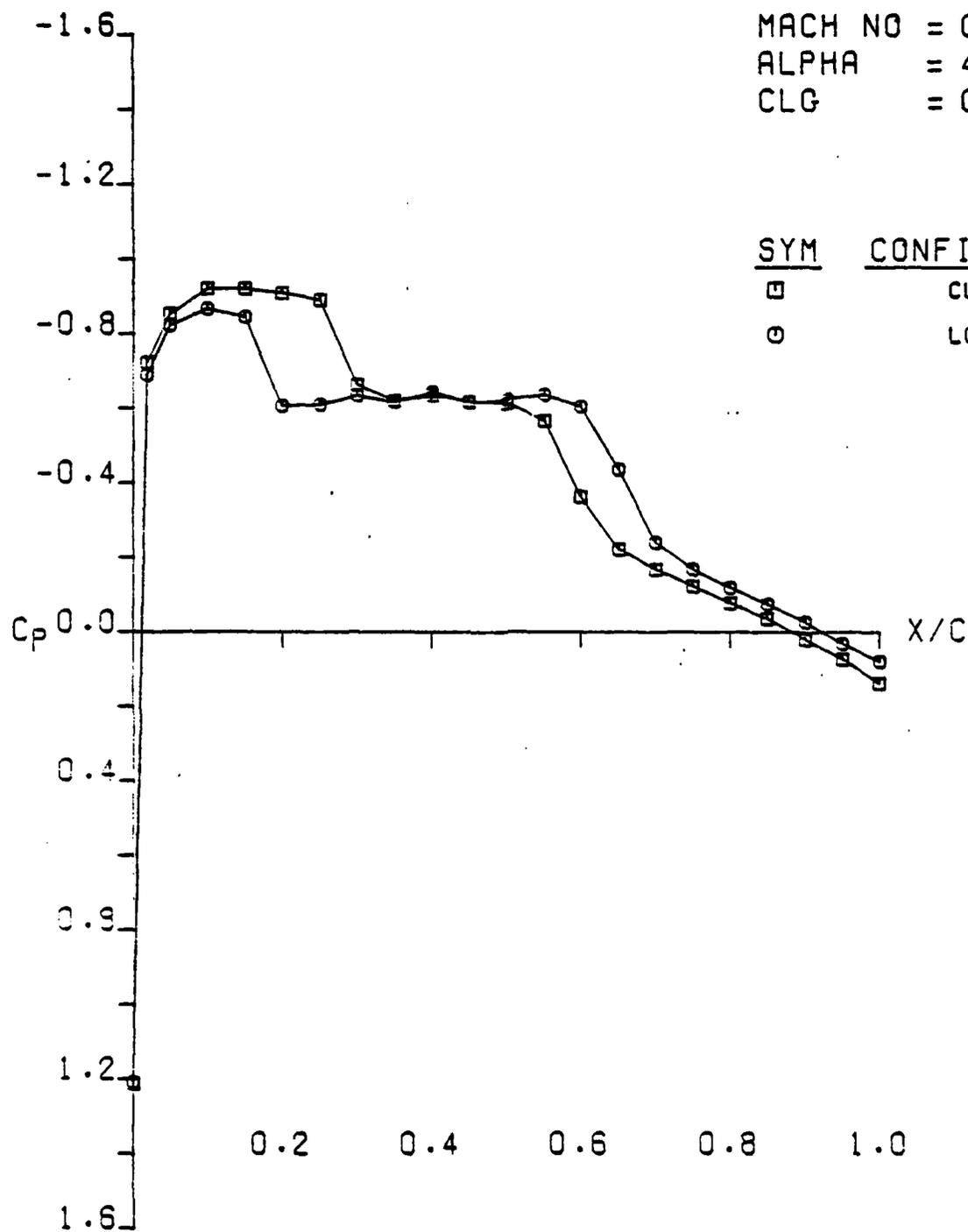
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS LOW (UPR SURF ETA .10)
NUMERICALLY OPTIMIZED WING C



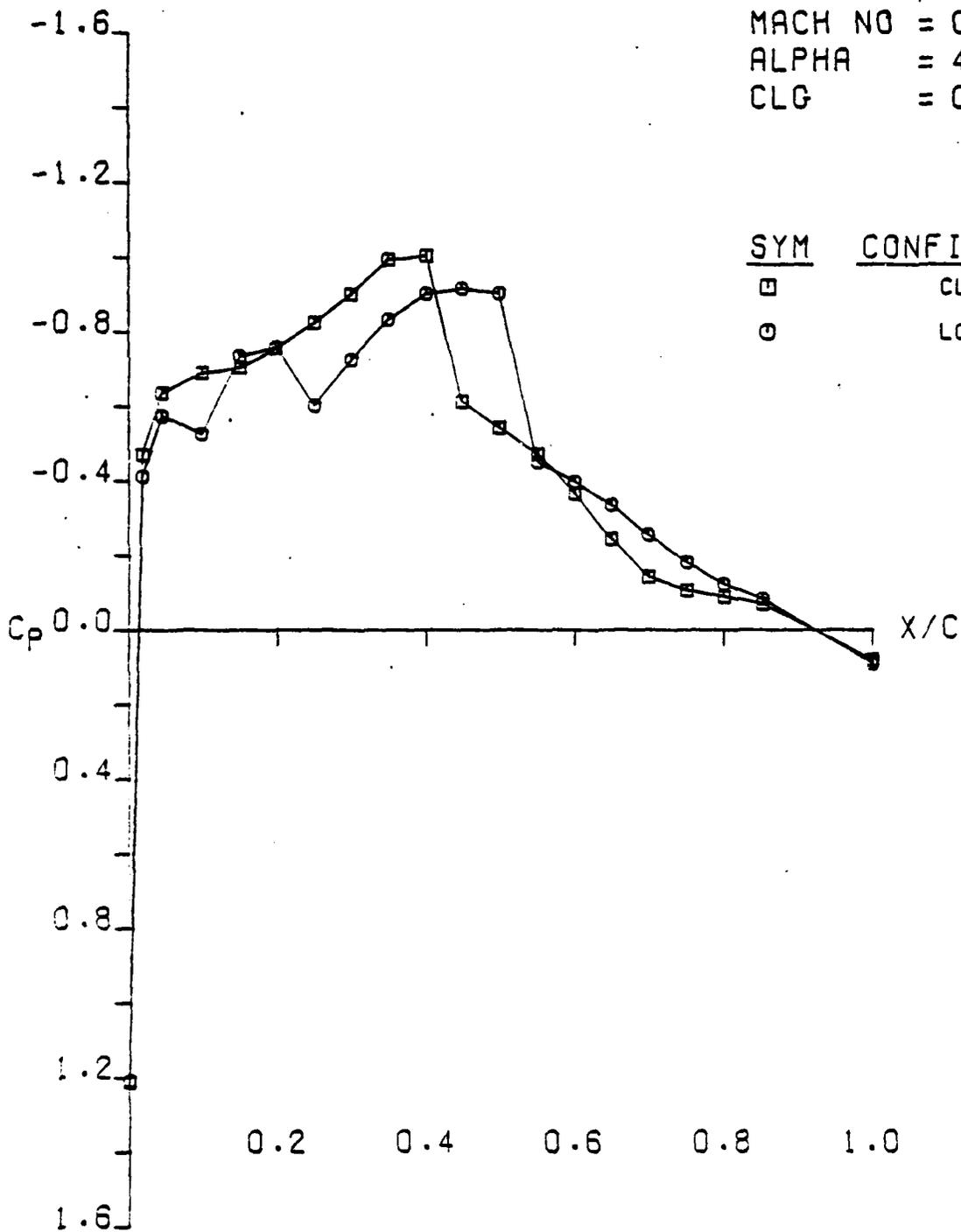
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C



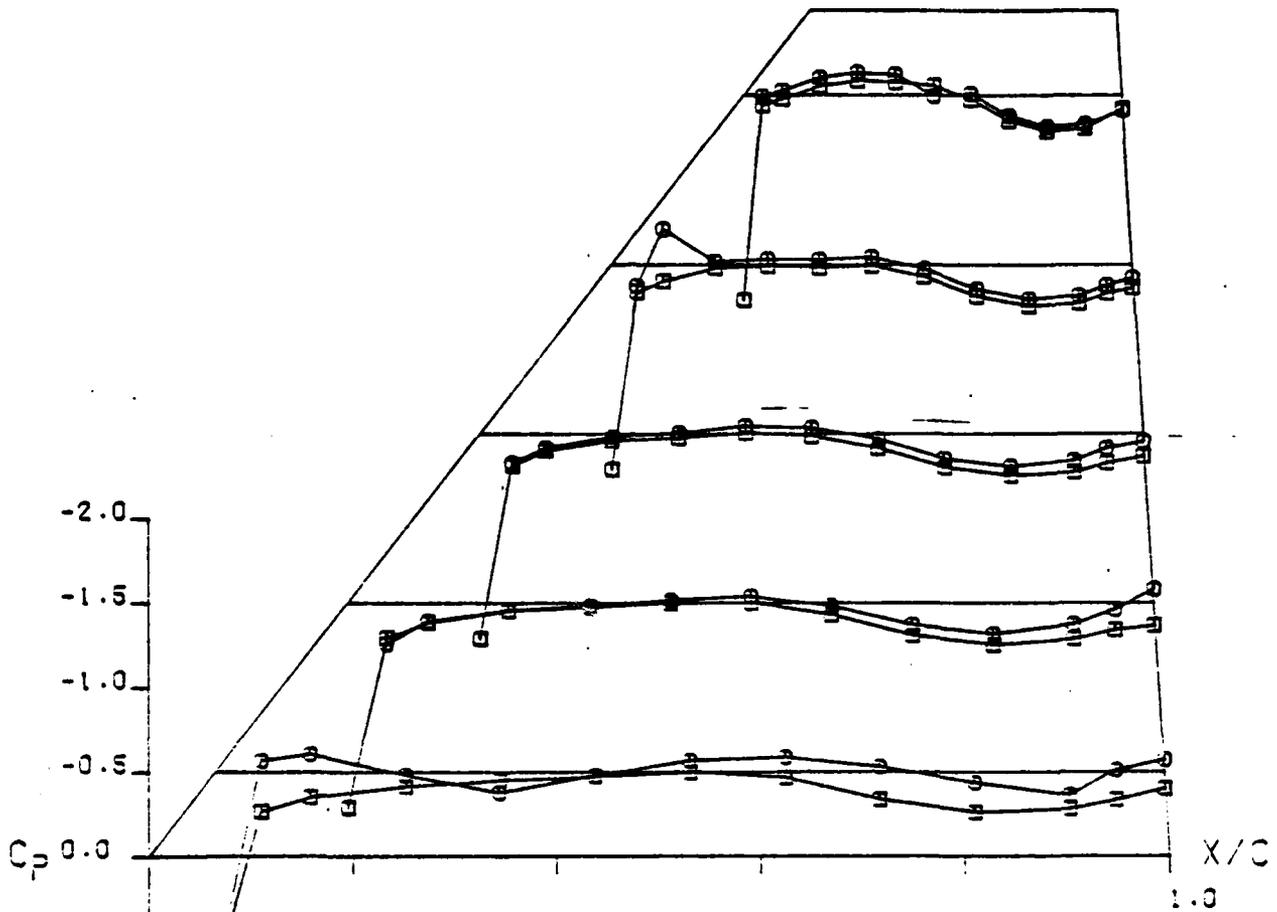
MACH NO = 0.886
 ALPHA = 4.927
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□ CLEAN
 ○ LOW



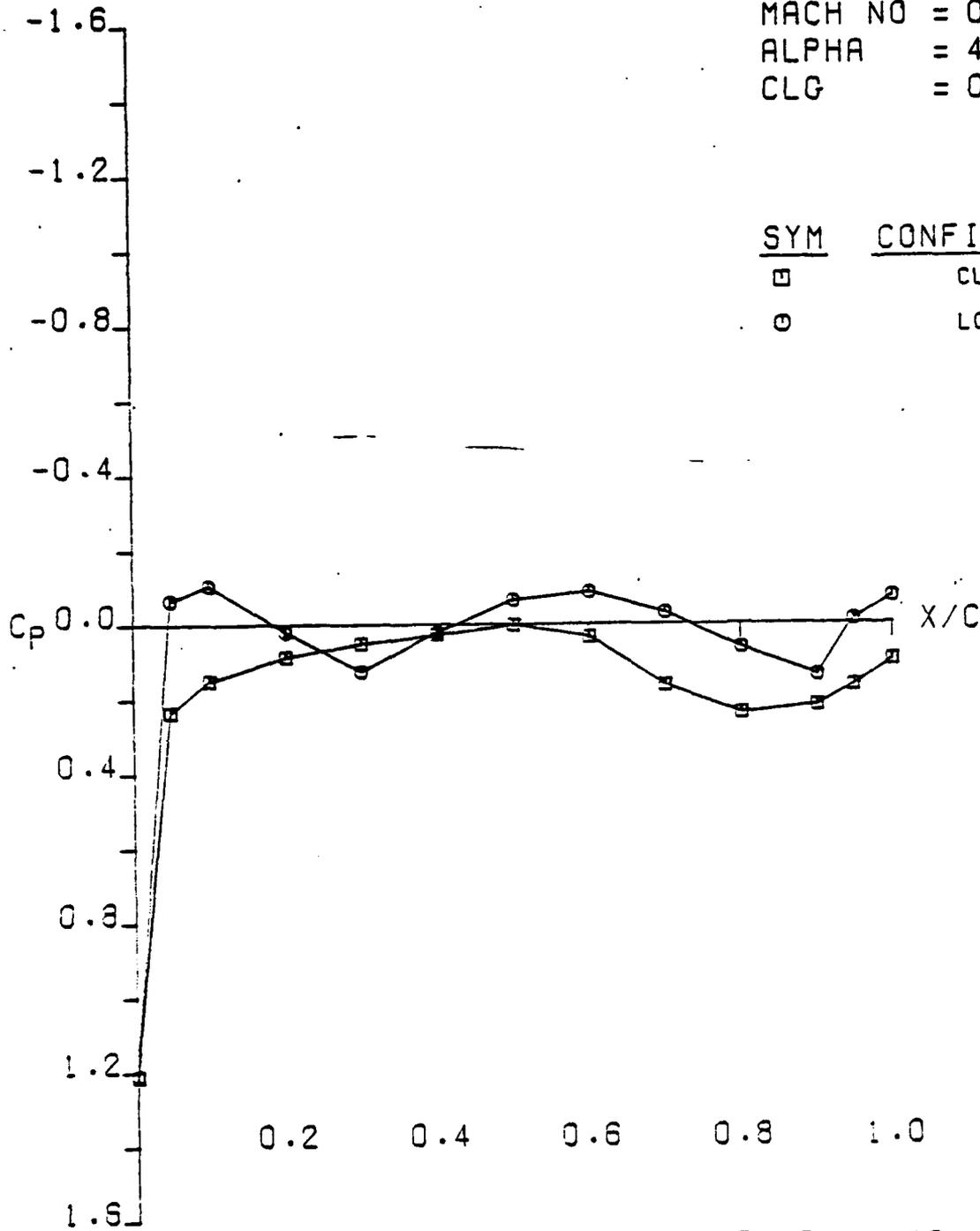
CONDITIONS

MACH NO = 0.986
 ALPHA = 4.927
 CL = 0.500
 CD = 0.046
 CM = -0.083
 CLG = 0.500

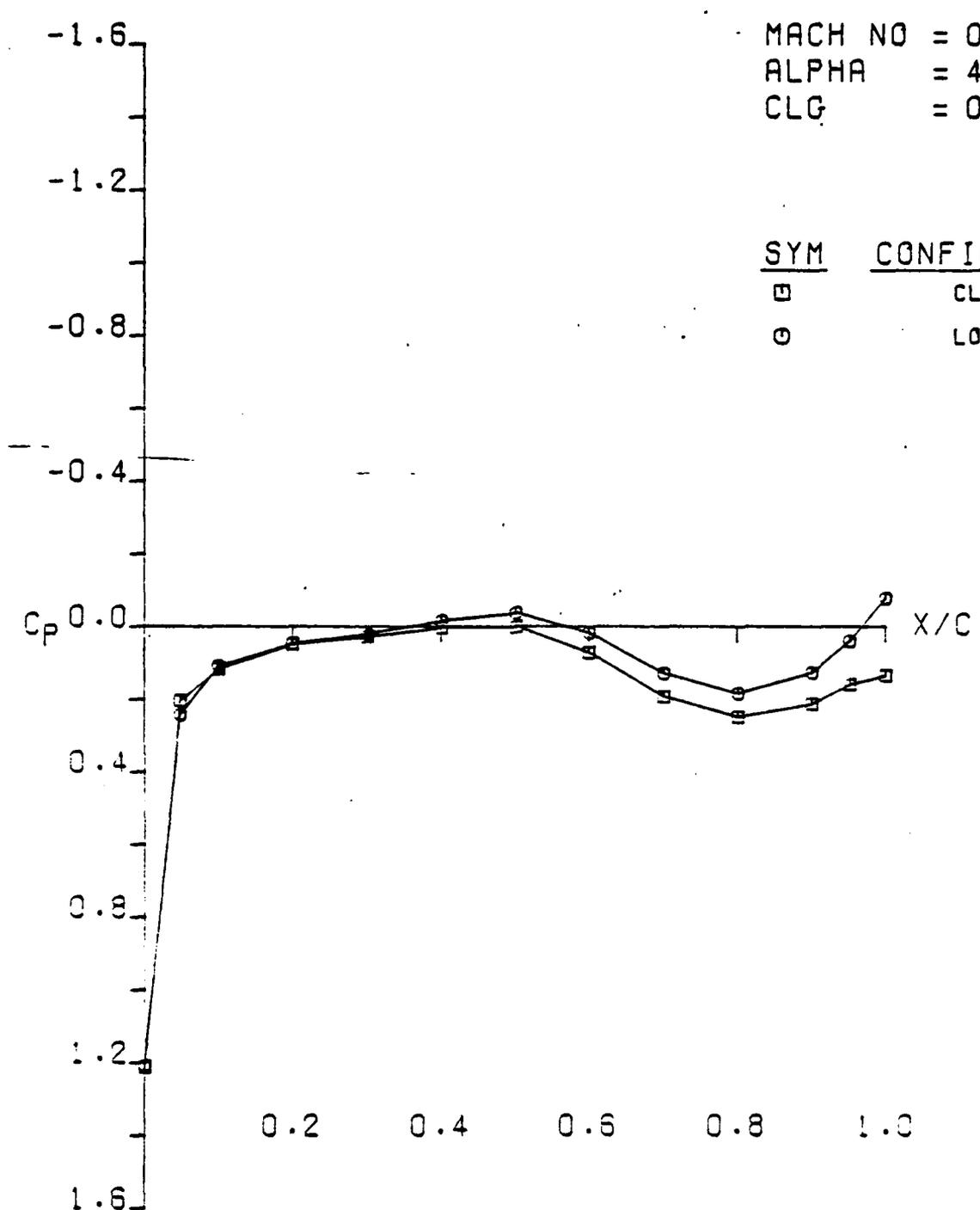
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (LWR SURF)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.886
 ALPHA = 4.927
 CLG = 0.500

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



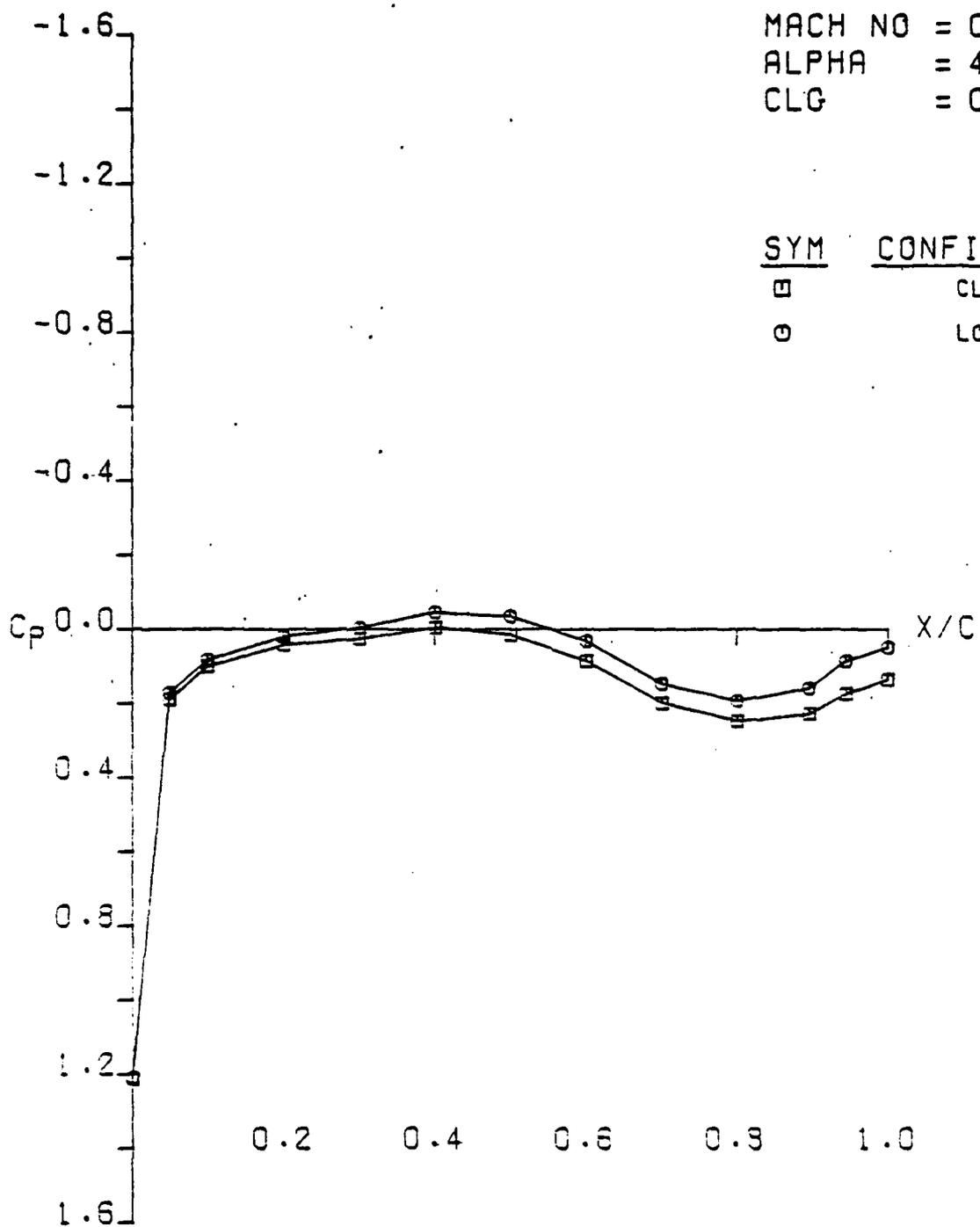
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.886
 ALPHA = 4.927
 CLG = 0.500

SYM	CONFIGURATION
□	CLEAN
○	LOW

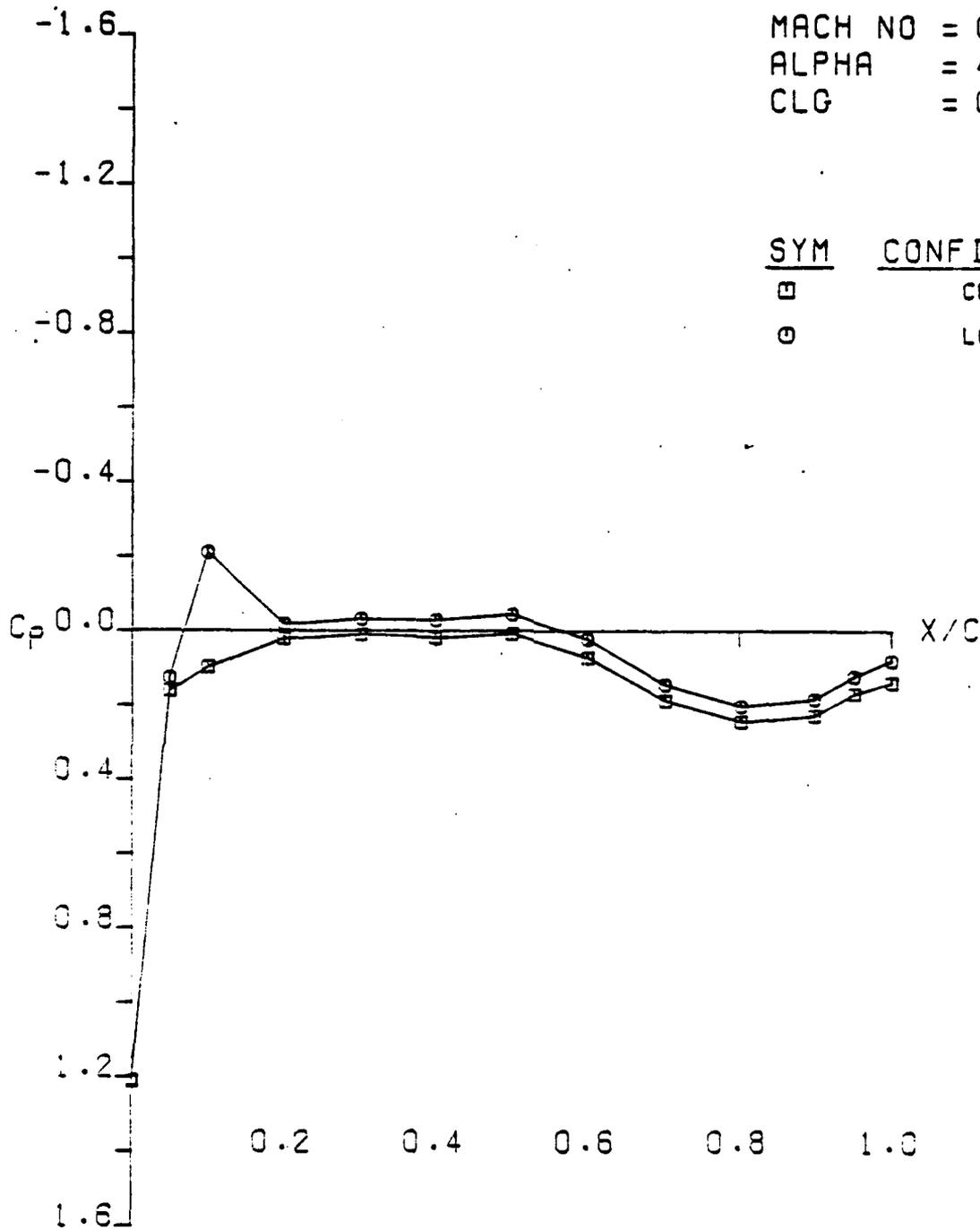
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.886
 ALPHA = 4.927
 CLG = 0.500

SYM	CONFIGURATION
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



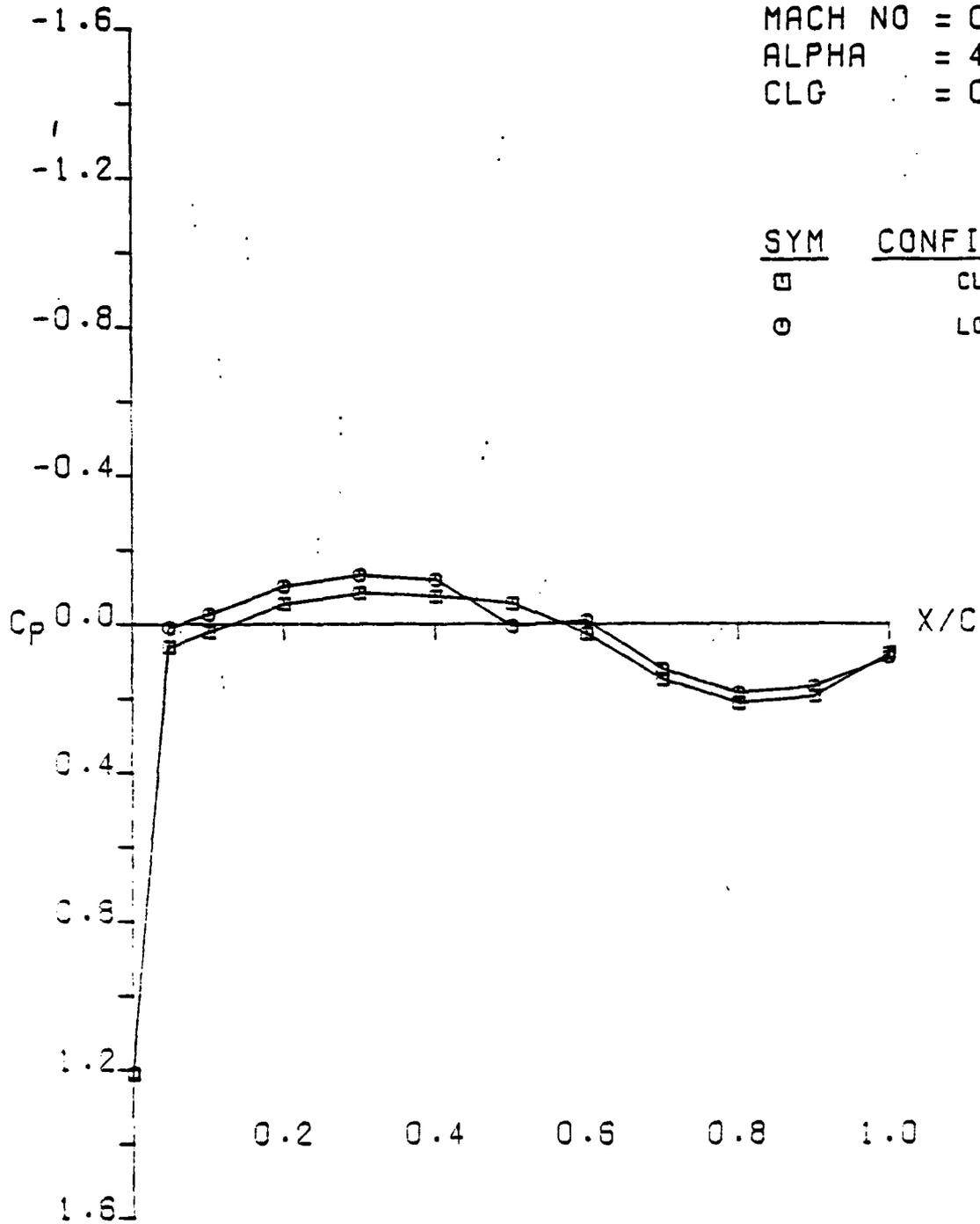
MACH NO = 0.886
 ALPHA = 4.927
 CLG = 0.500

SYM	CONFIGURATION
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
 CLN VS LOW (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.886
ALPHA = 4.927
CLG = 0.500

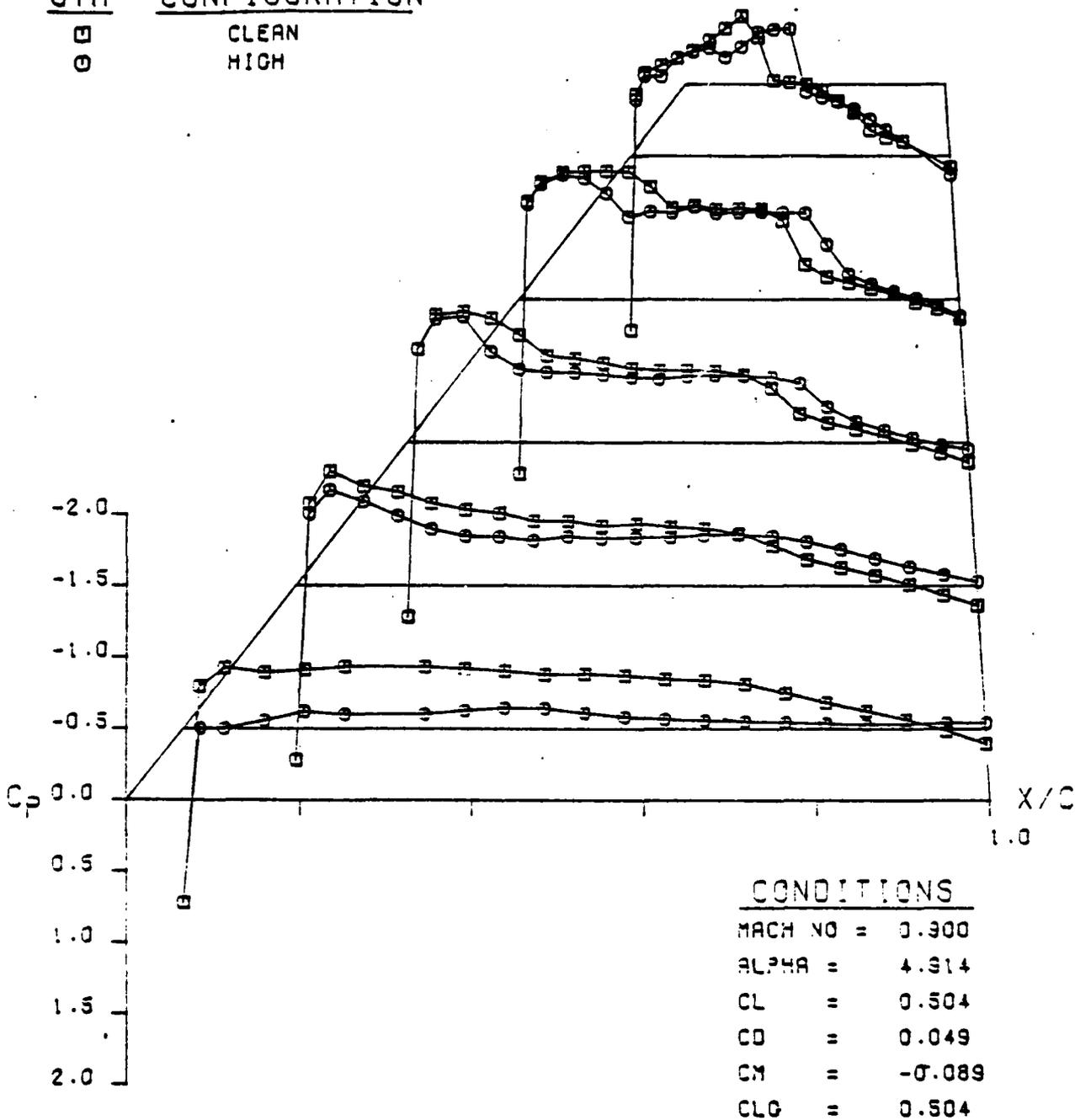
<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	LOW



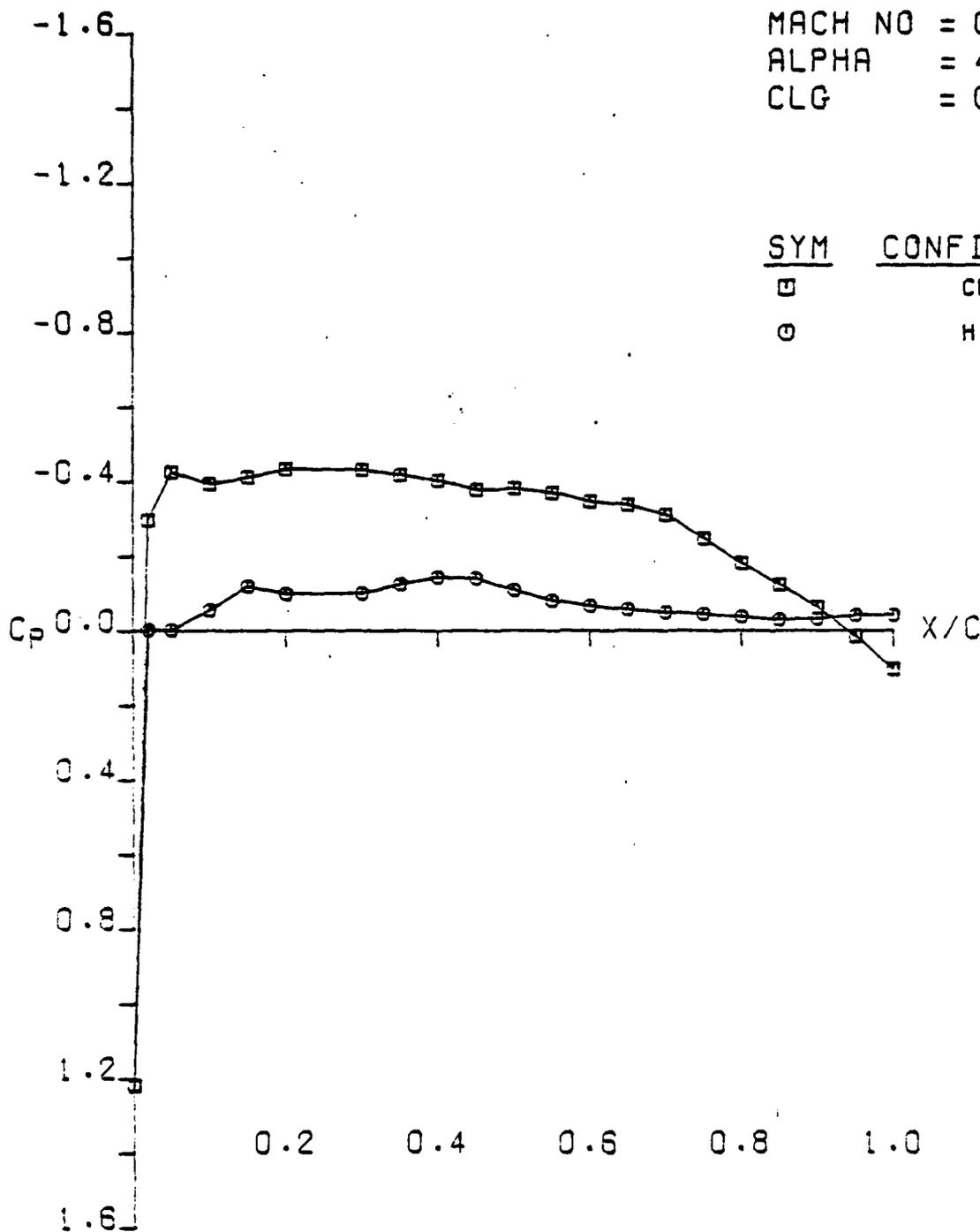
LOCKHEED CFWT SEMI-SPAN TEST, RUN 46
CLN VS LOW (LWR SURF ETA .90)
NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□ CLEAN
 ○ HIGH



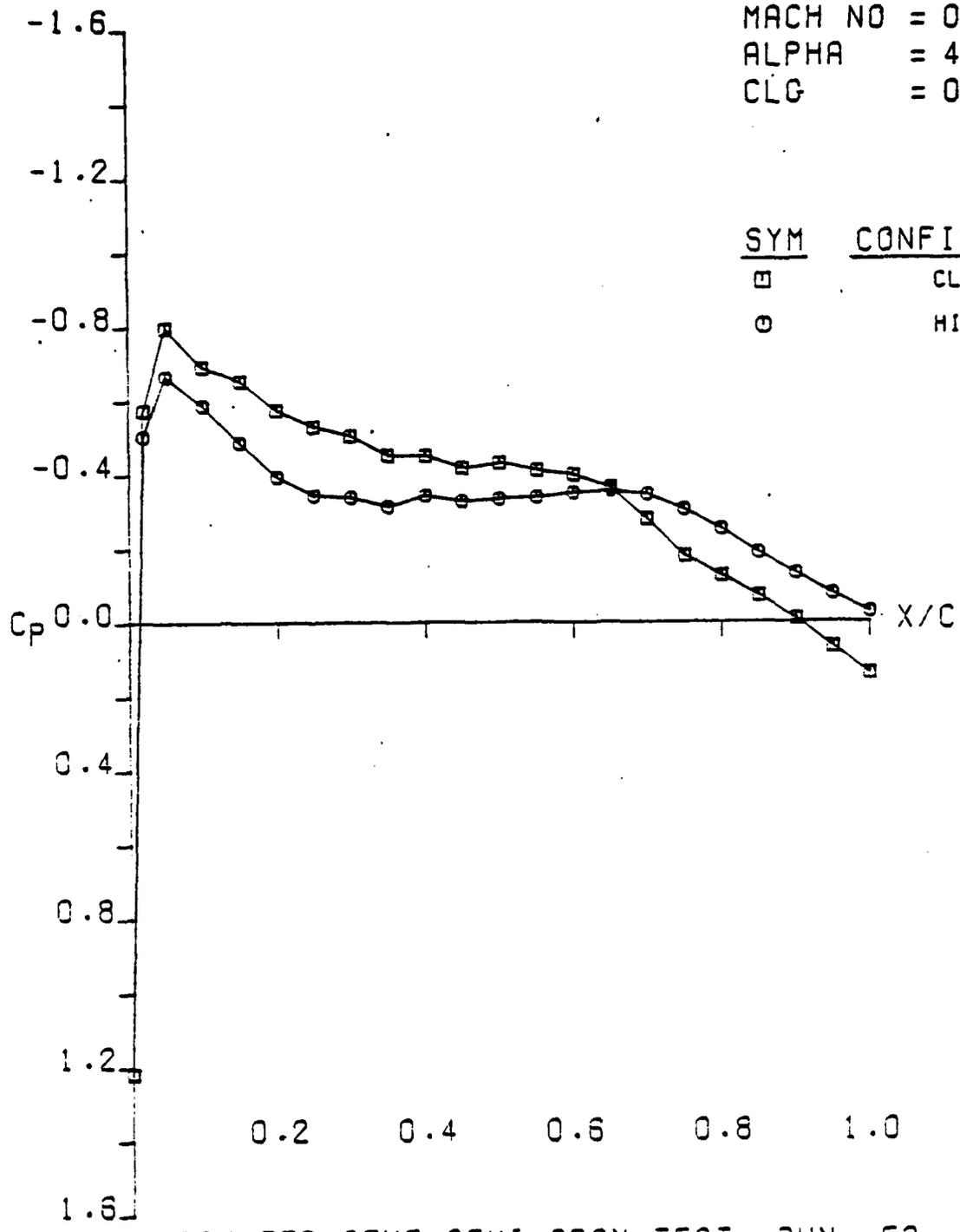
NUMERICAL OPTIMIZED WING
 CLN VS HIGH (UPR SURF)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (UPR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C

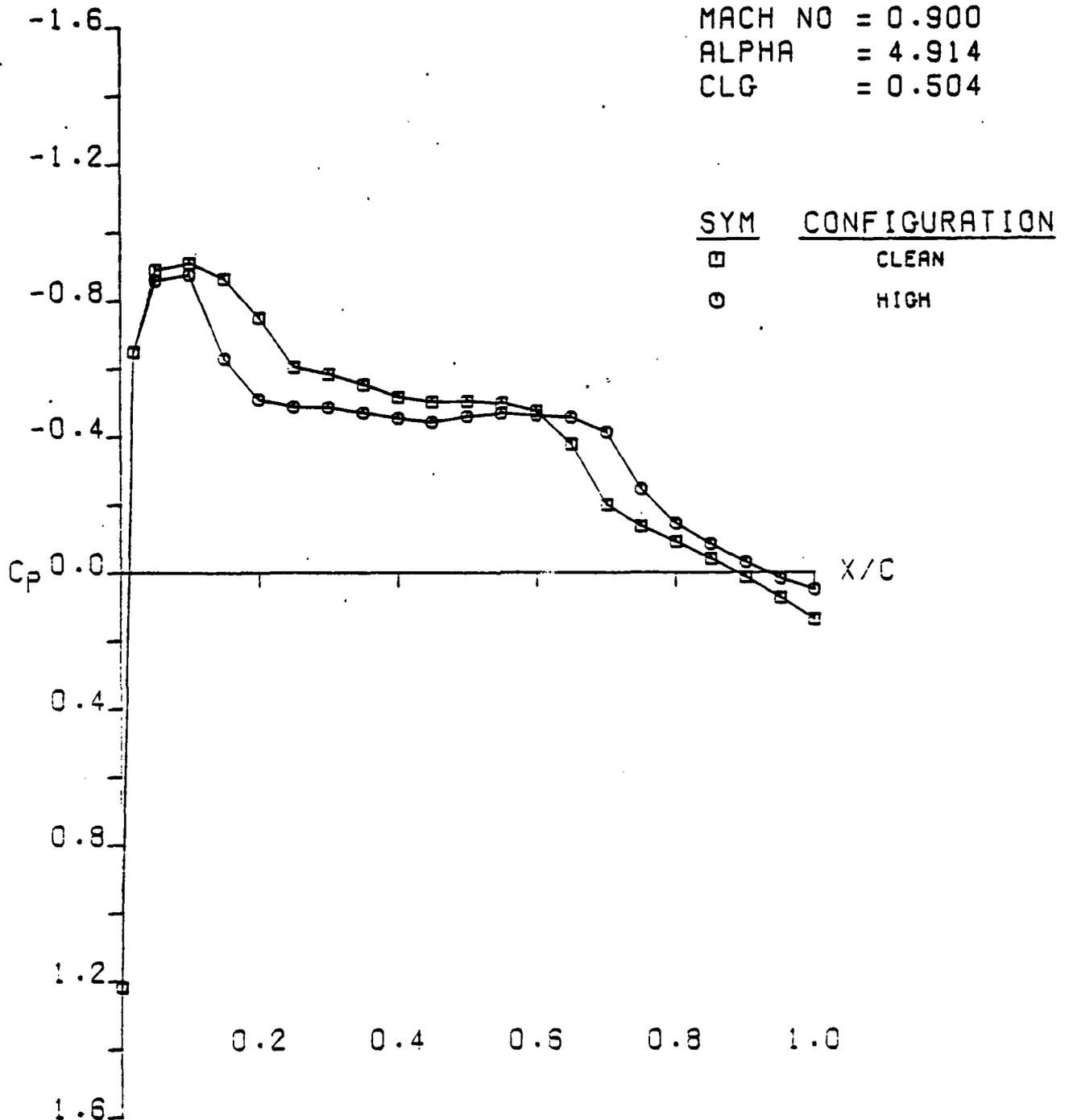


MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

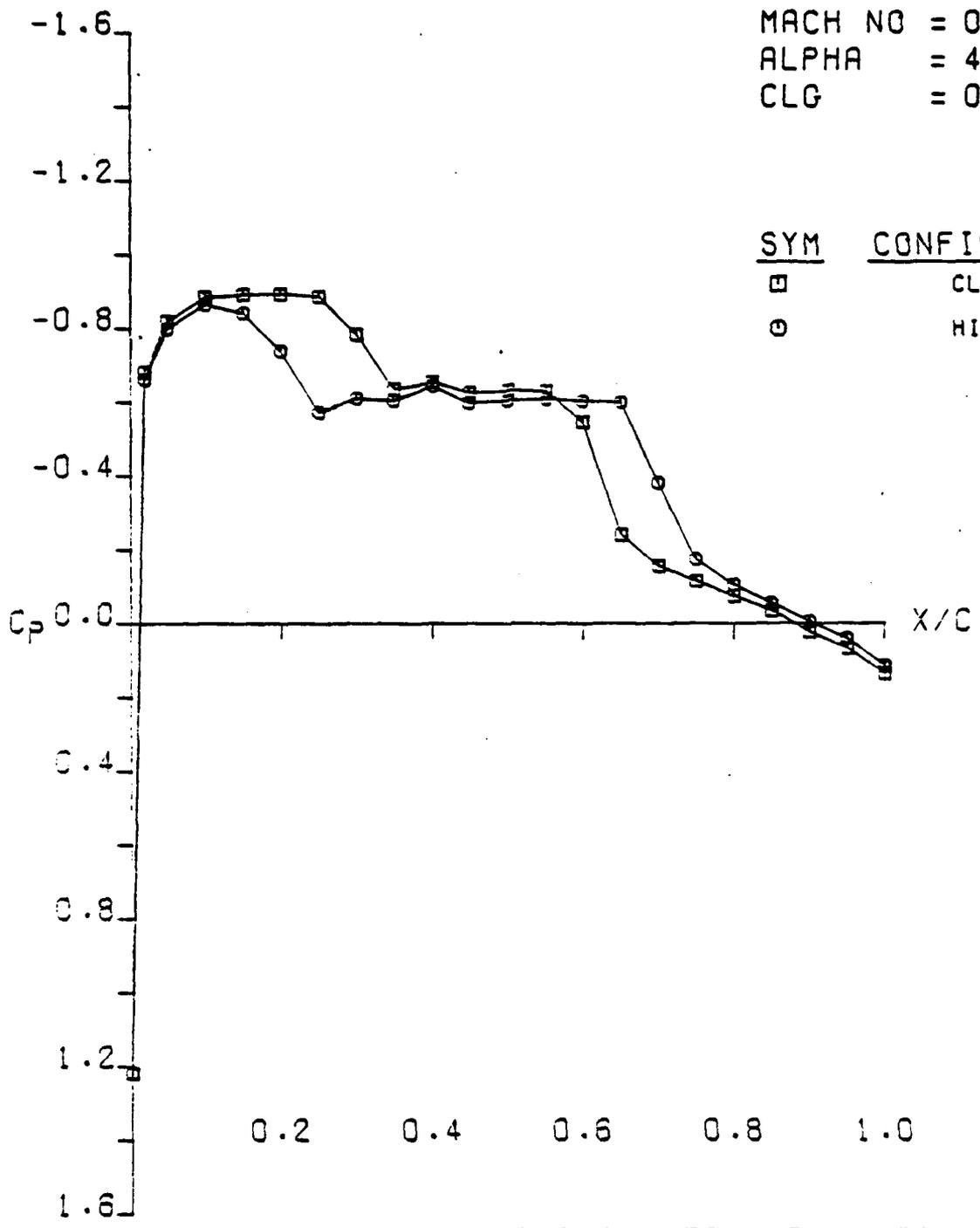
SYM	CONFIGURATION
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C

MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504



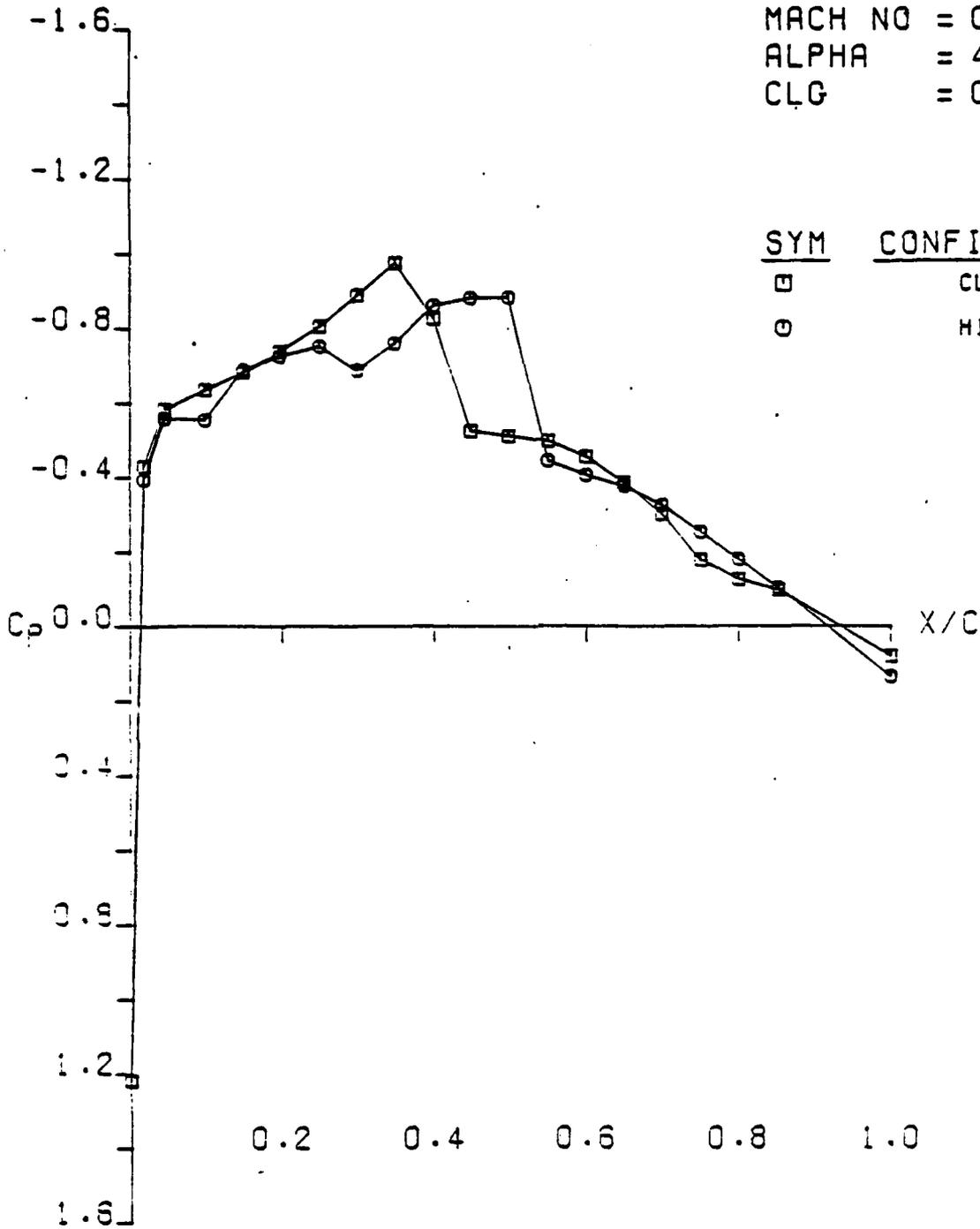
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C



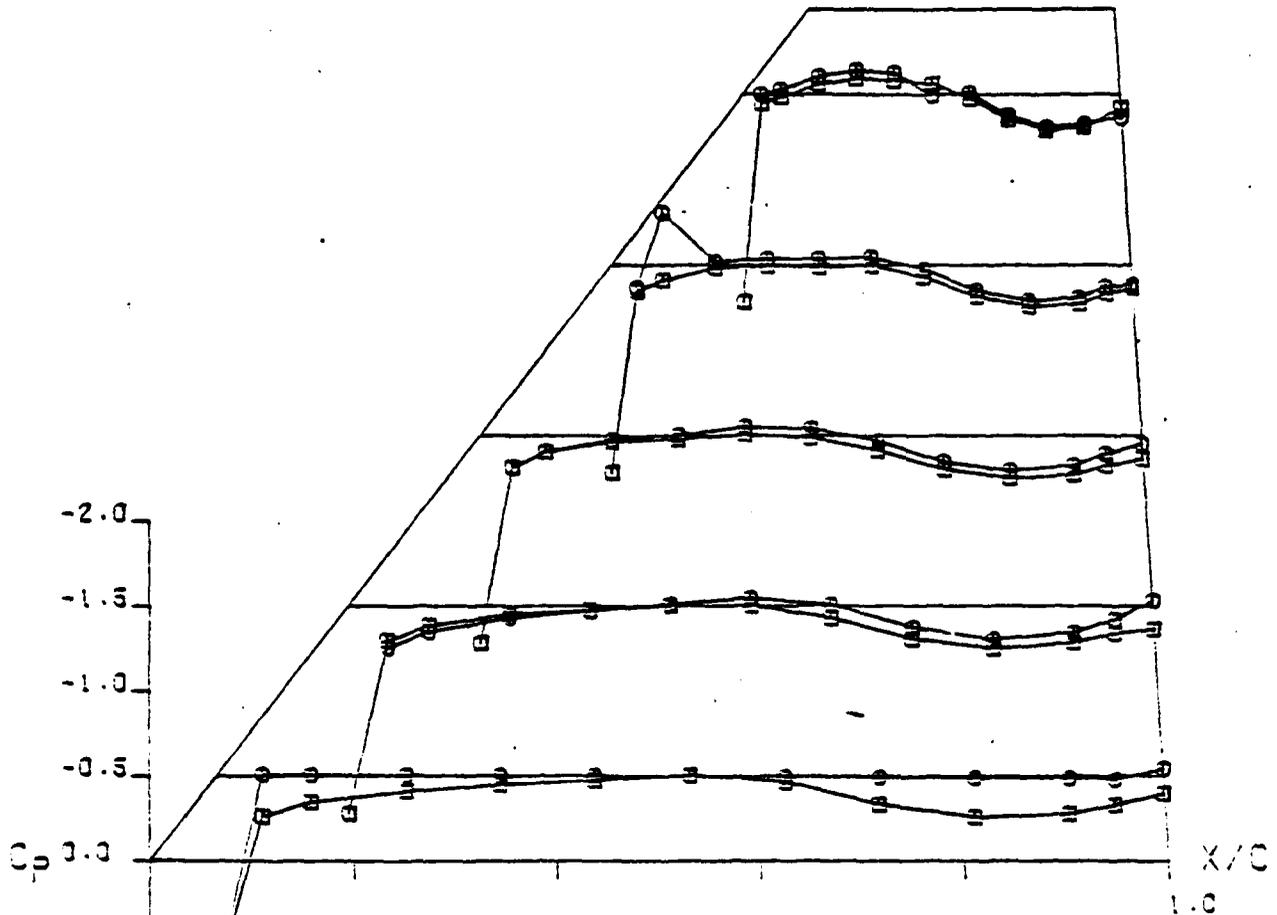
MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

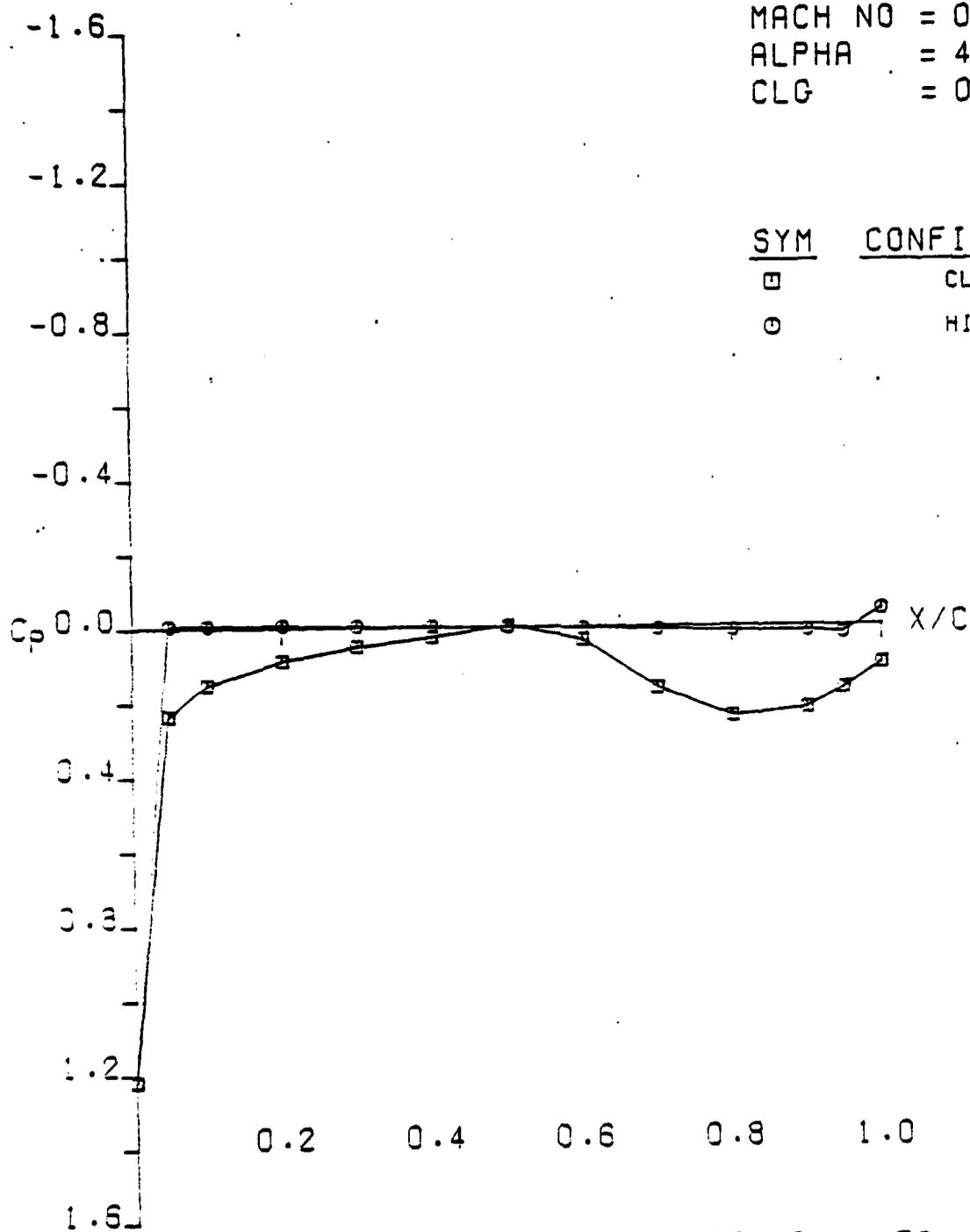
□ CLEAN
 ○ HIGH



CONDITIONS

MACH NO = 0.300
 ALPHA = 4.314
 CL = 0.504
 CD = 0.049
 CM = -0.089

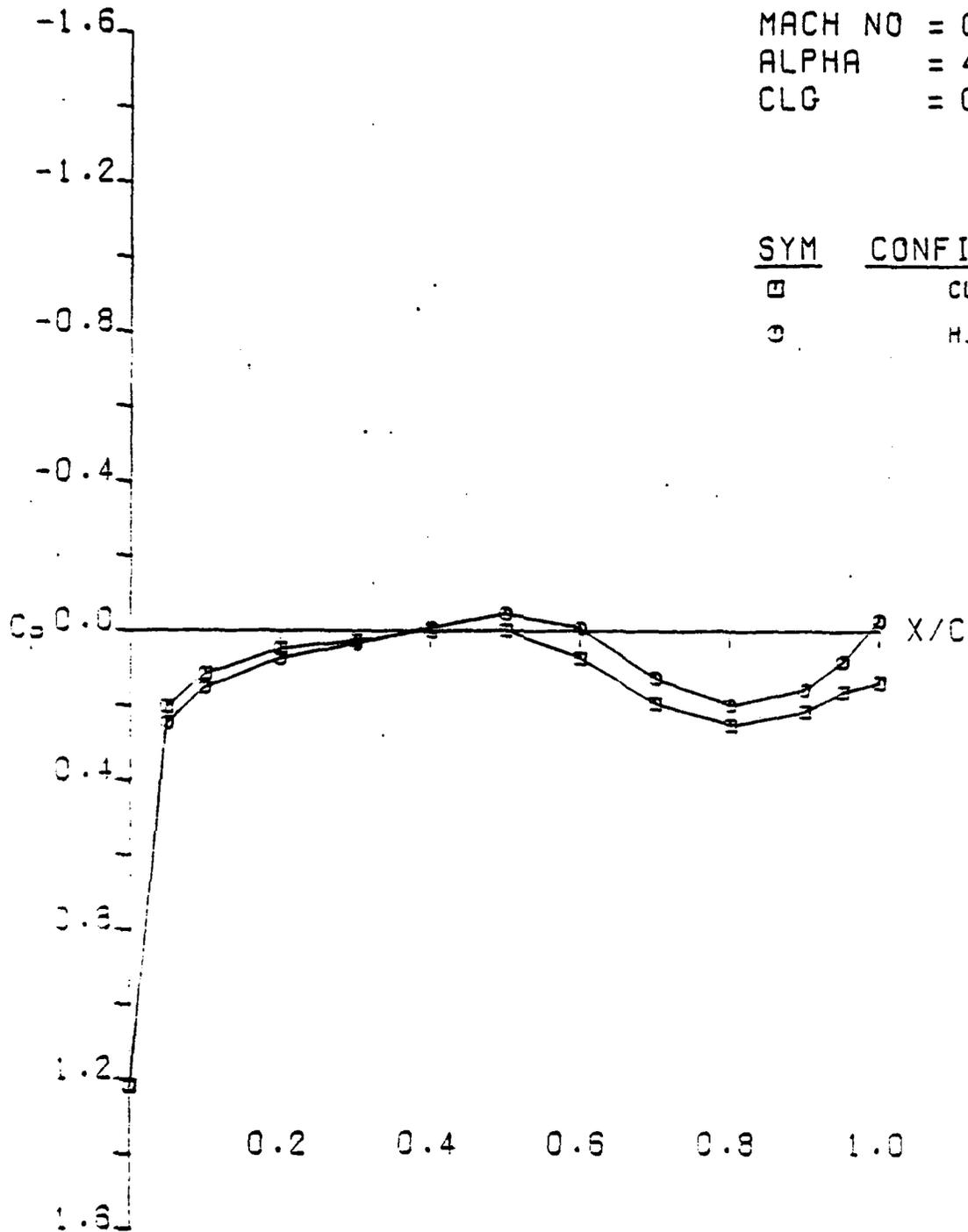
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (LWR SURF)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

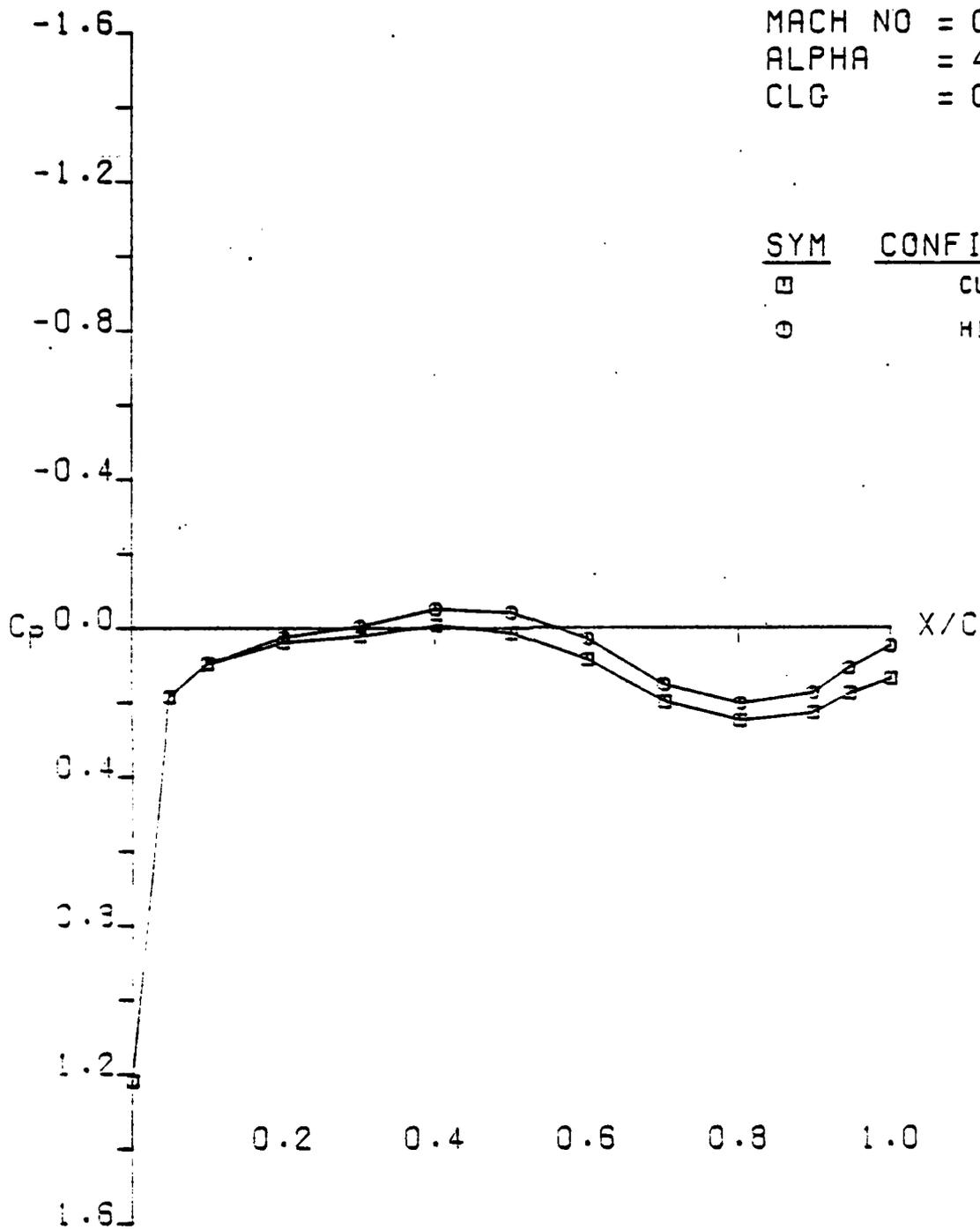
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

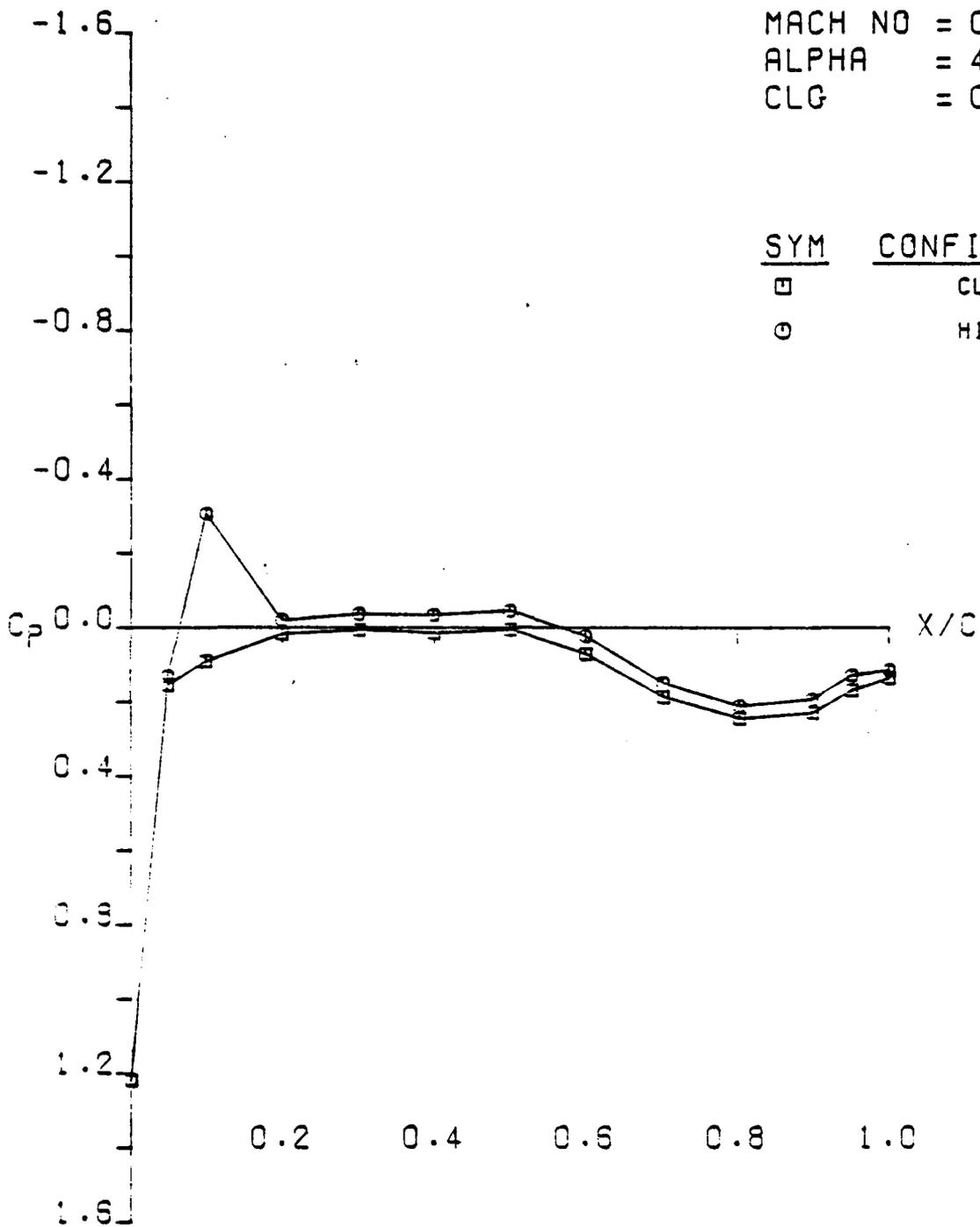
LOCKHEED CPWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

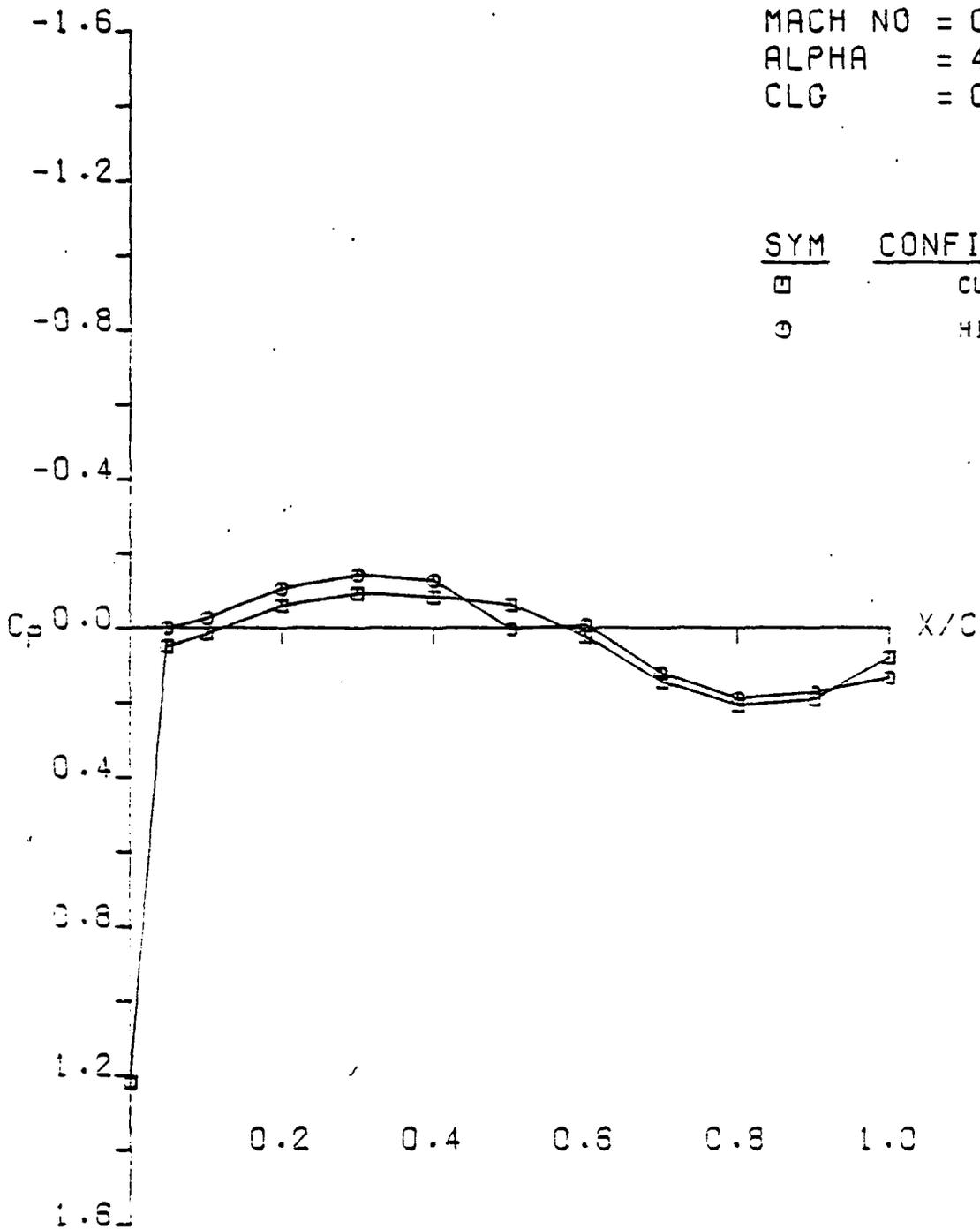
LOCKHEED CPWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	HIGH

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C



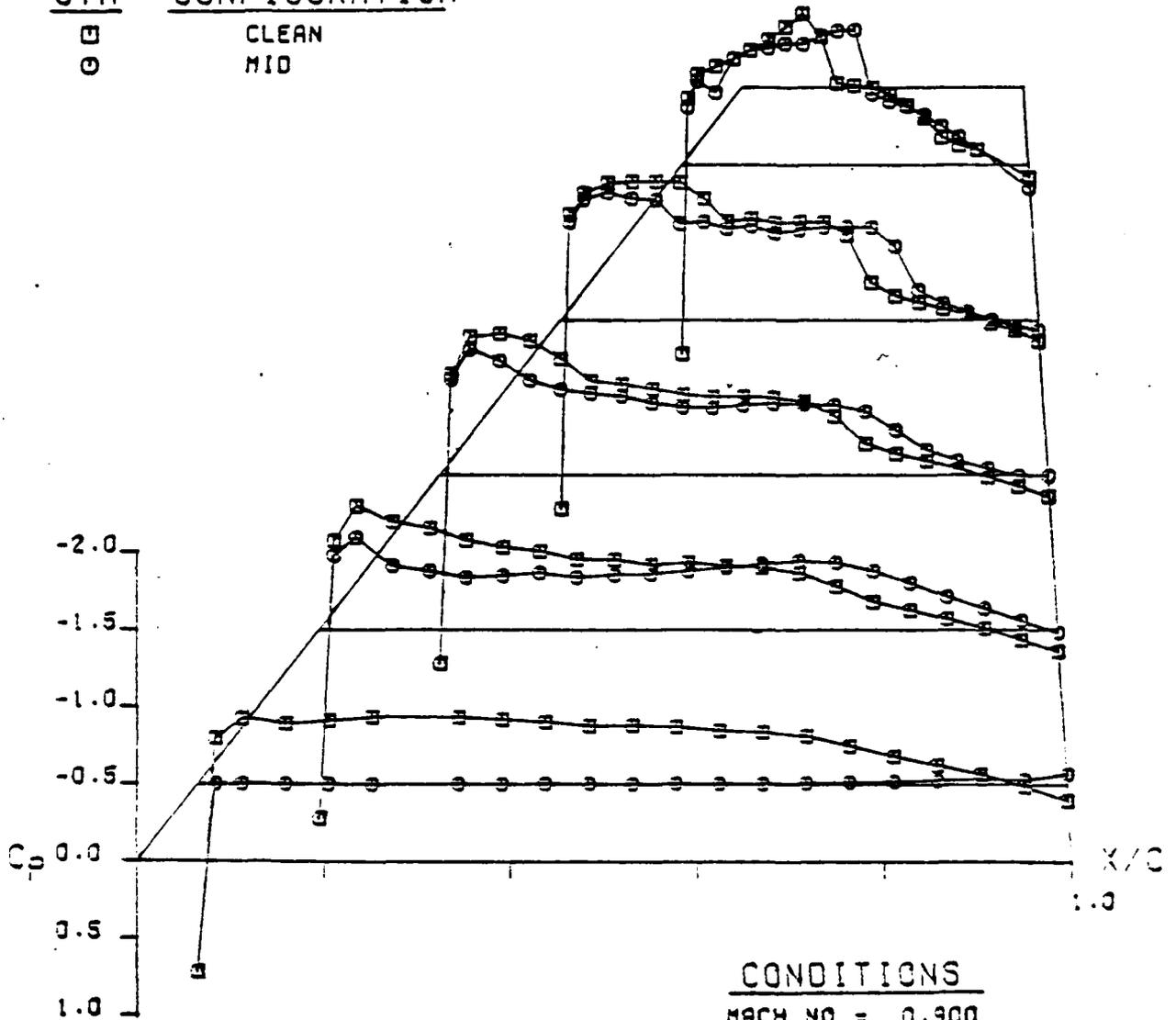
MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

SYM	CONFIGURATION
□	CLEAN
○	HIGH

LOCKHEED CPWT SEMI-SPAN TEST, RUN 53
 CLN VS HIGH (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

□ CLEAN
 ○ MID

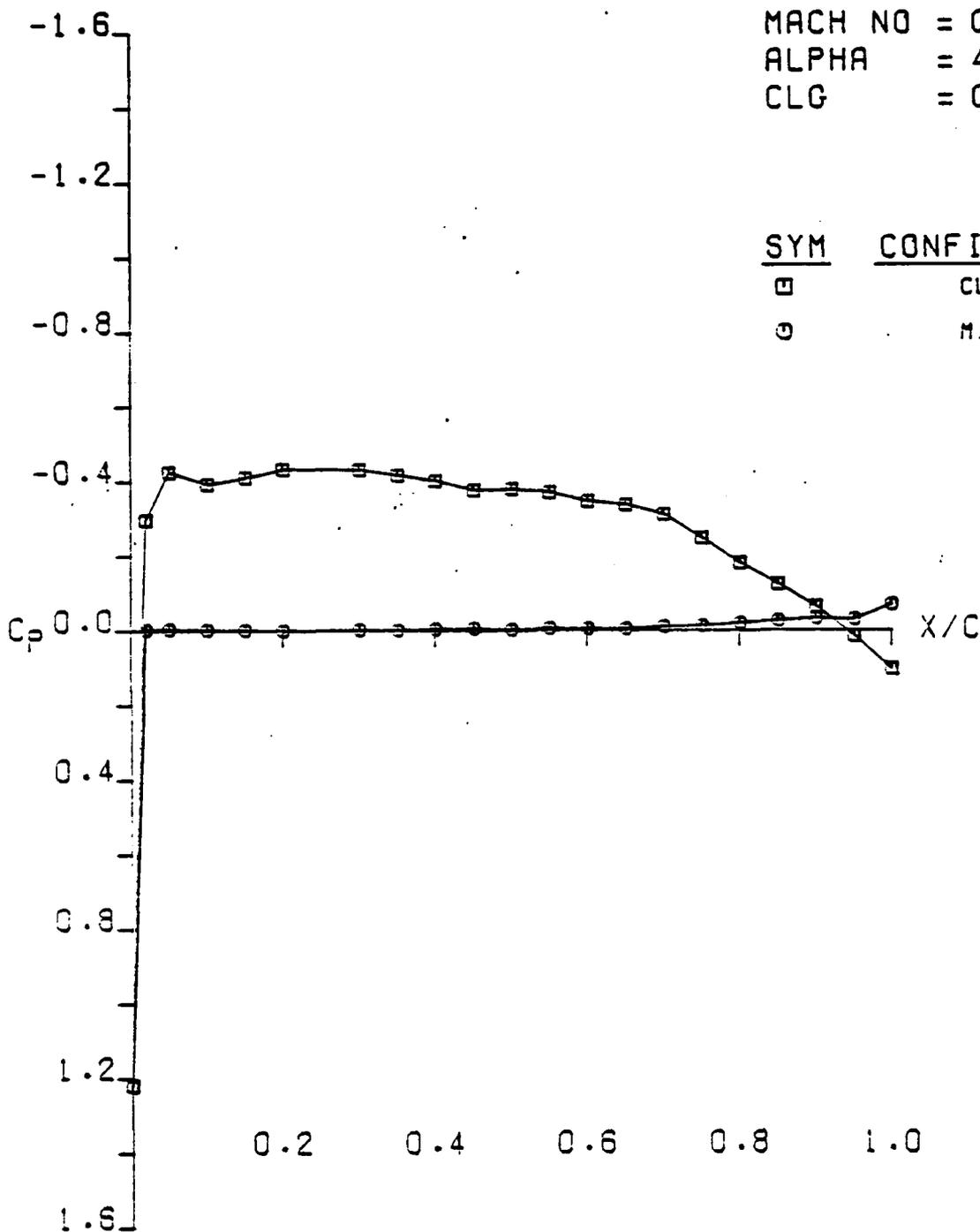


CONDITIONS

MACH NO = 0.900
 ALPHA = 4.914
 - -
 CD = 0.049
 CM = -0.089
 CLG = 0.504

2.0

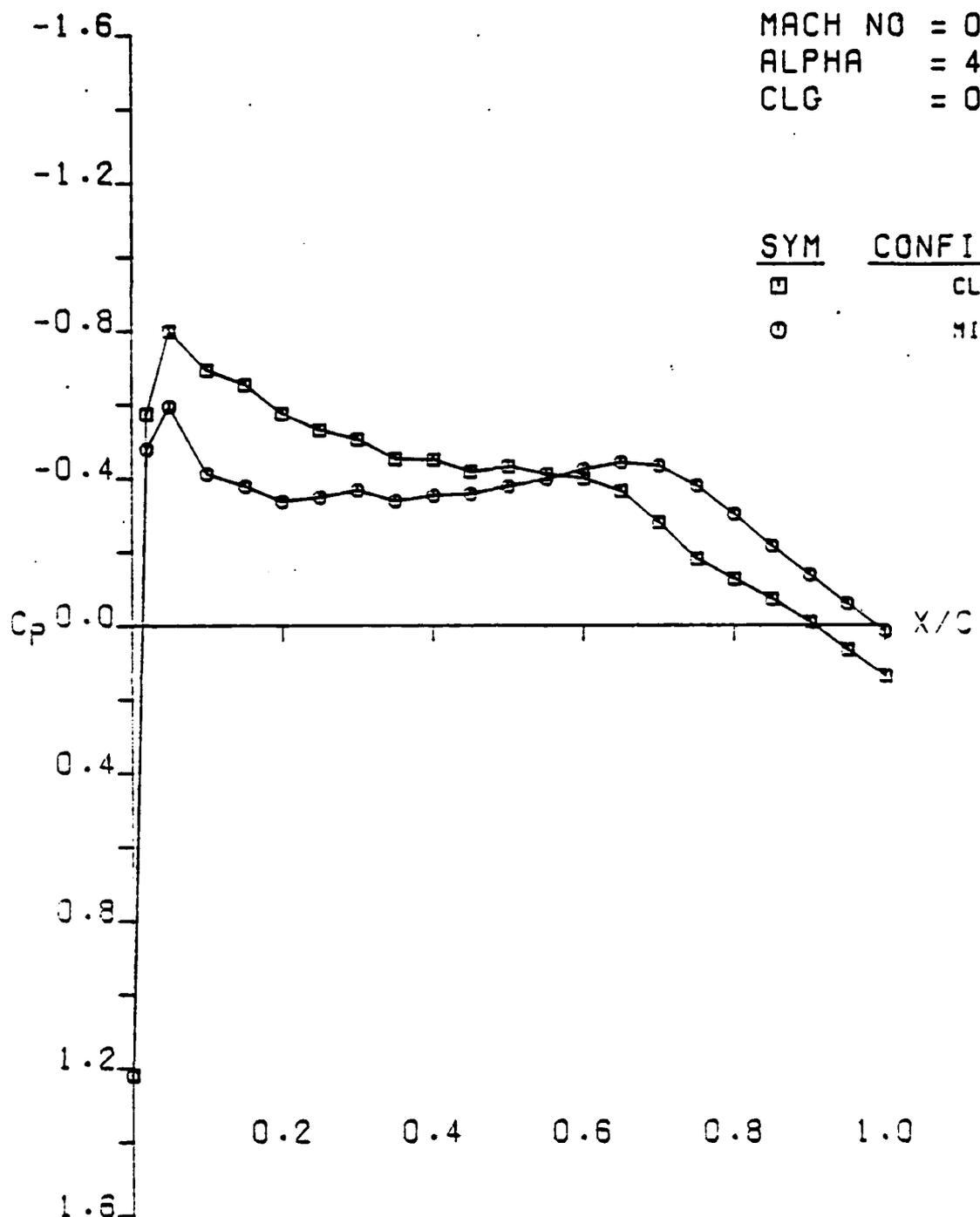
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (UPR SURF)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

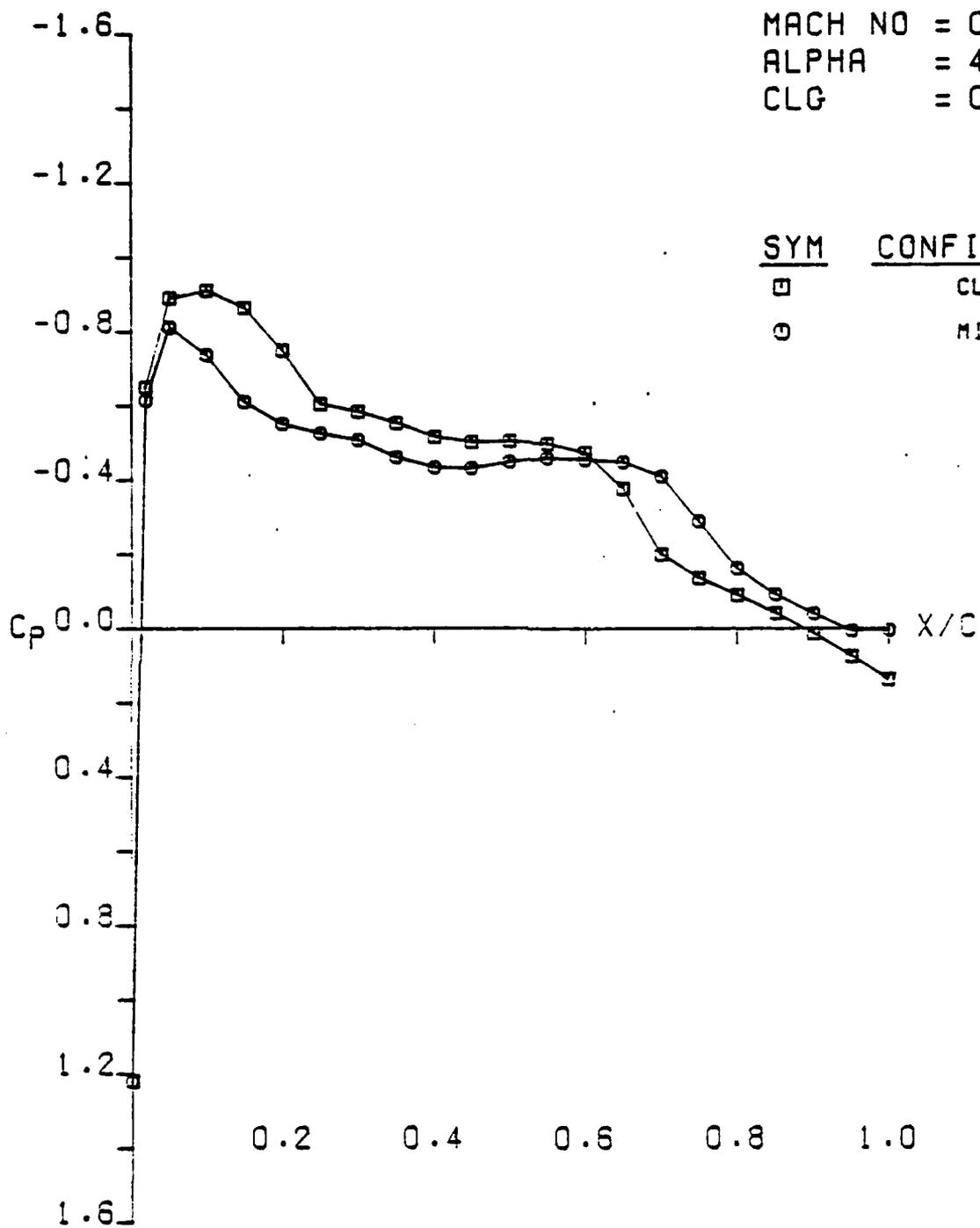
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (UPR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

SYM	CONFIGURATION
□	CLEAN
○	MID

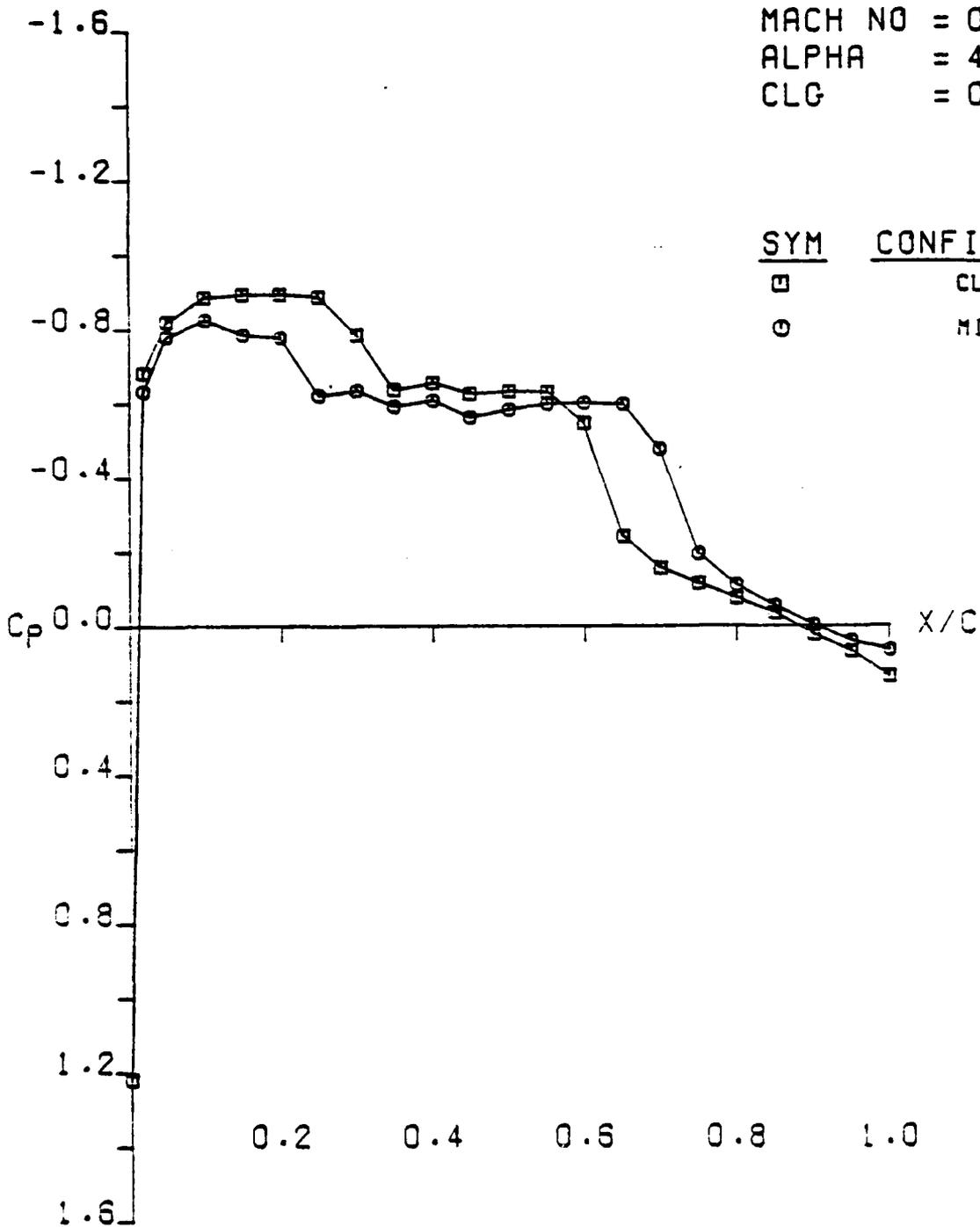
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



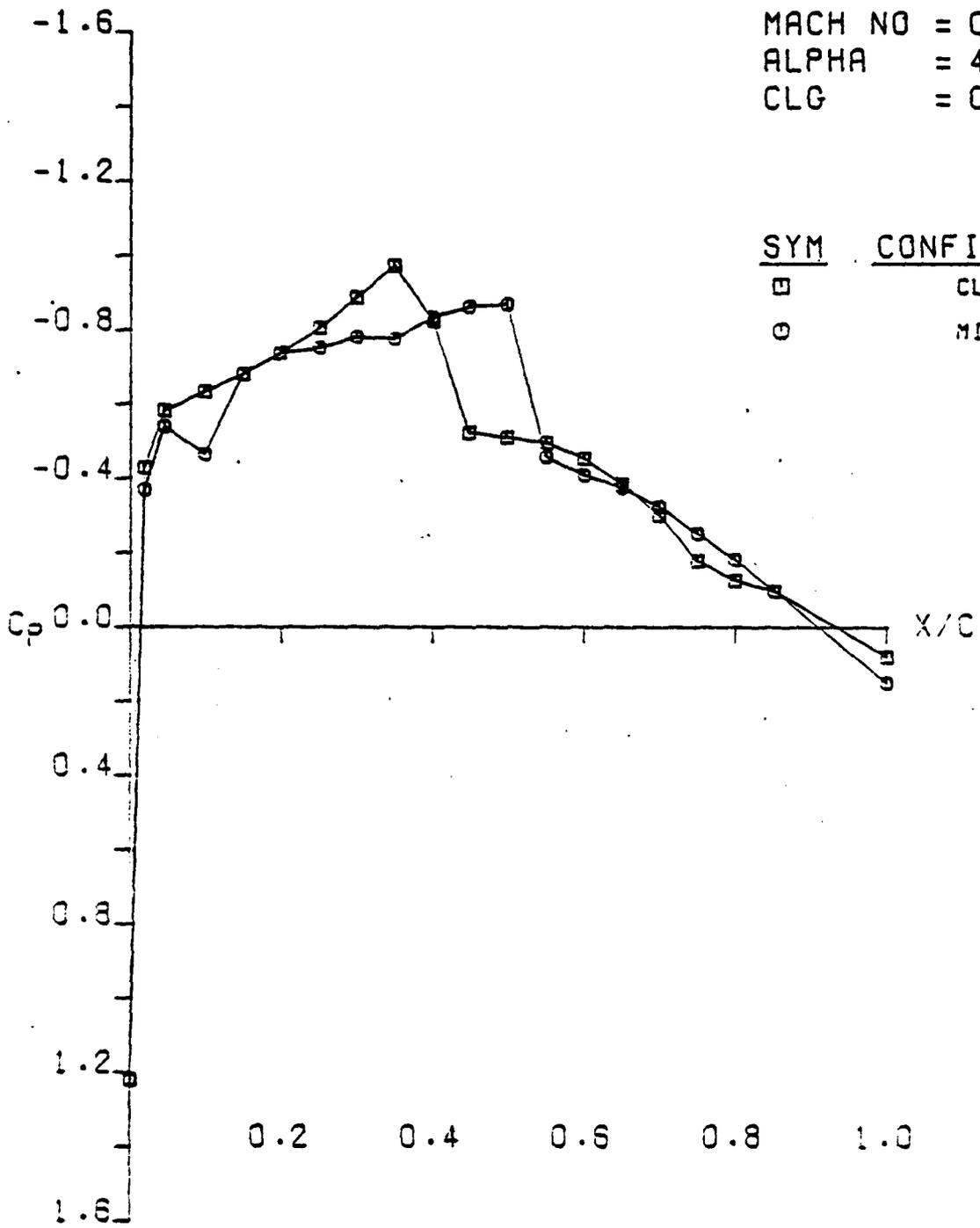
MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C



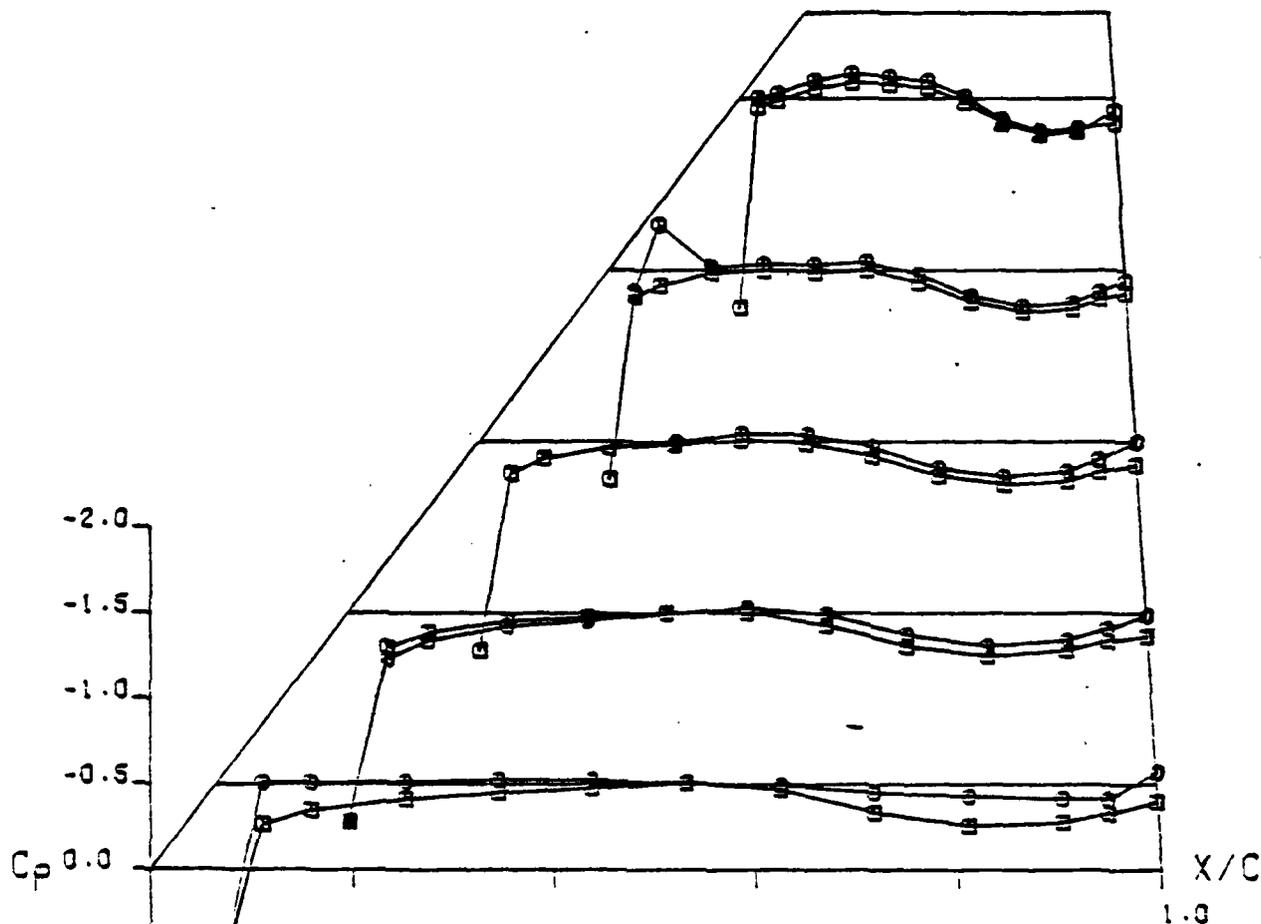
MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (UPR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

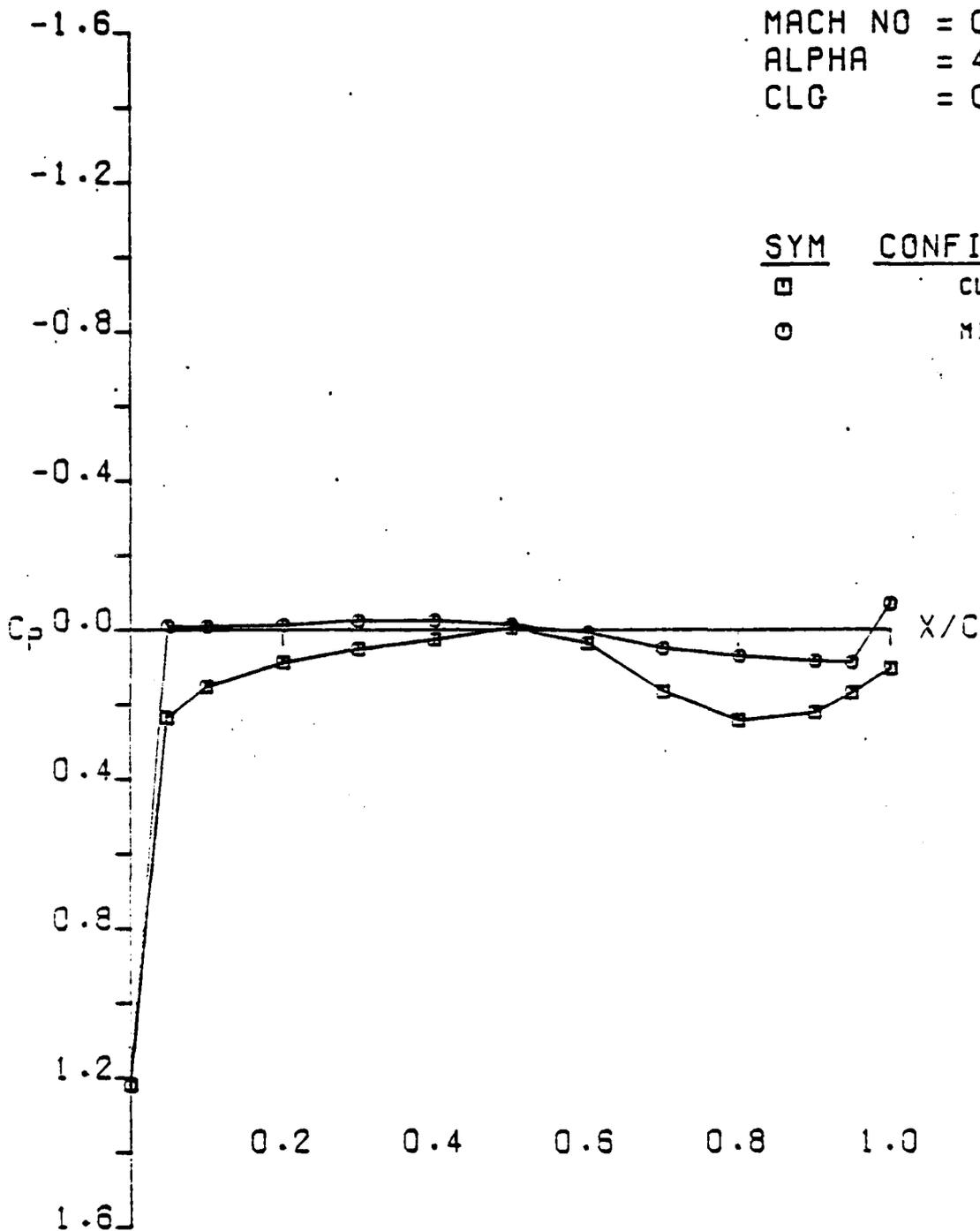
□ CLEAN
 ○ MID



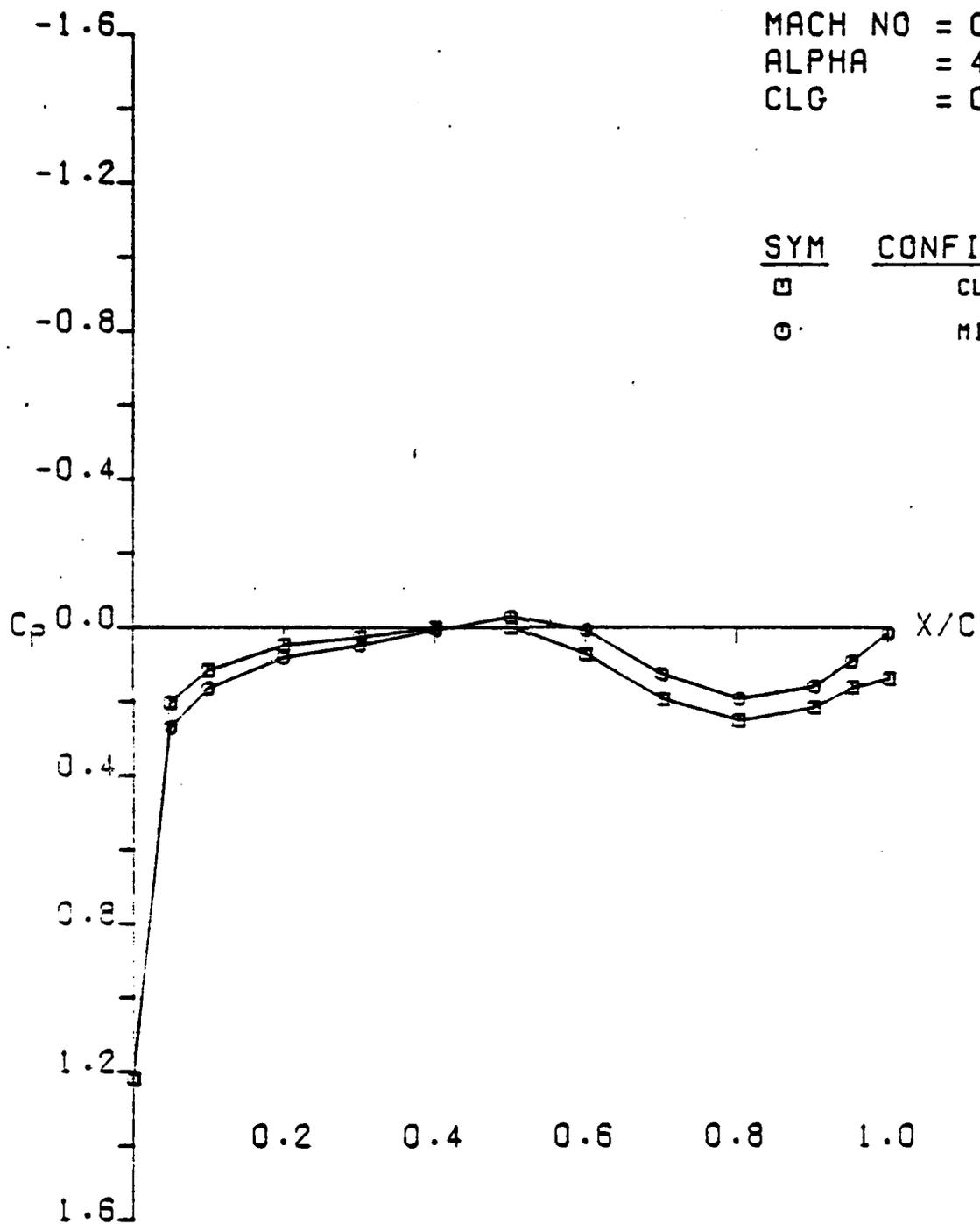
CONDITIONS

MACH NO = 0.300
 ALPHA = 4.314
 CL = 0.504
 CD = 0.049
 CM = -0.089
 CLC = 0.504

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (LWR SURF)
 NUMERICALLY OPTIMIZED WING C



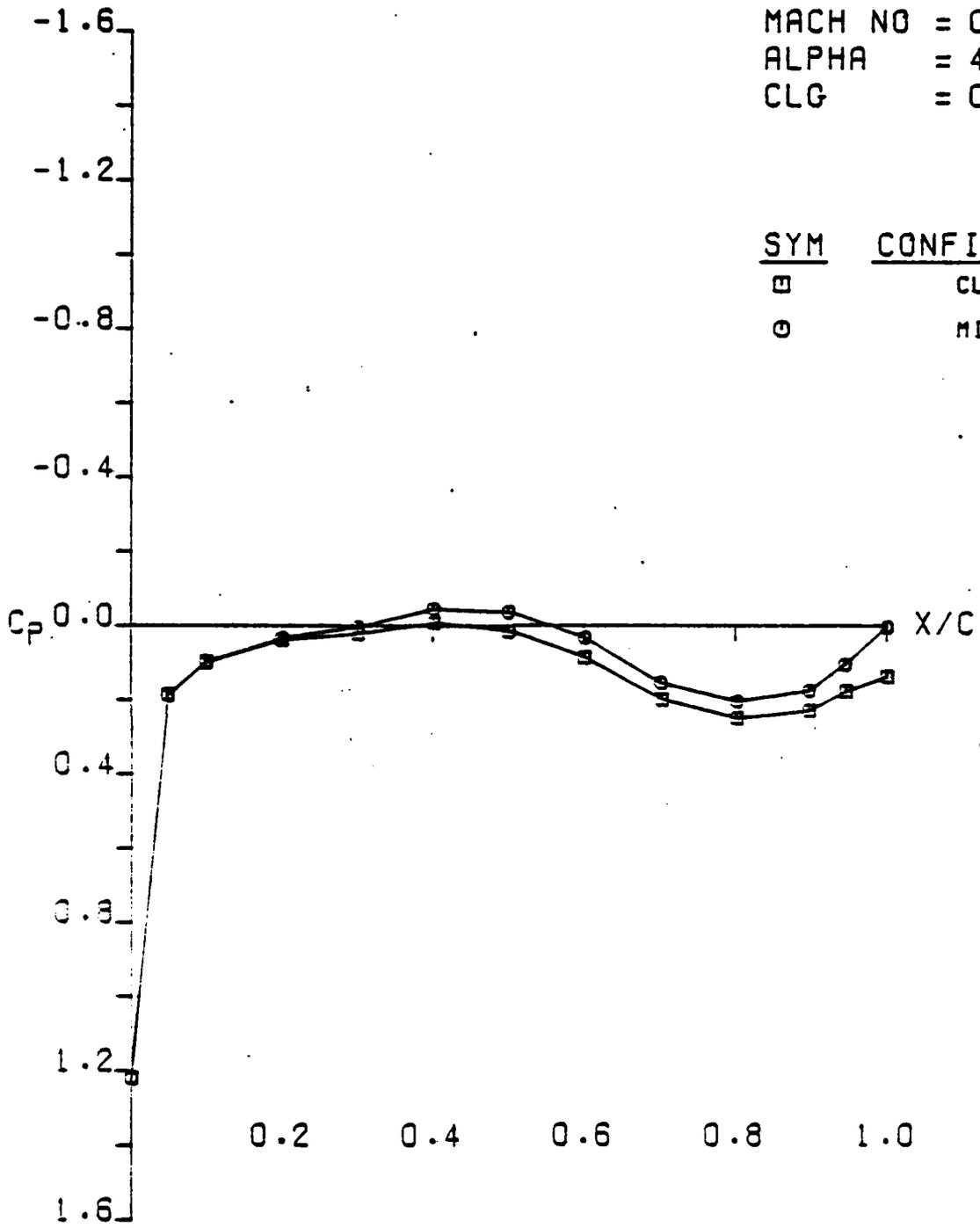
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (LWR SURF ϵ .10)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

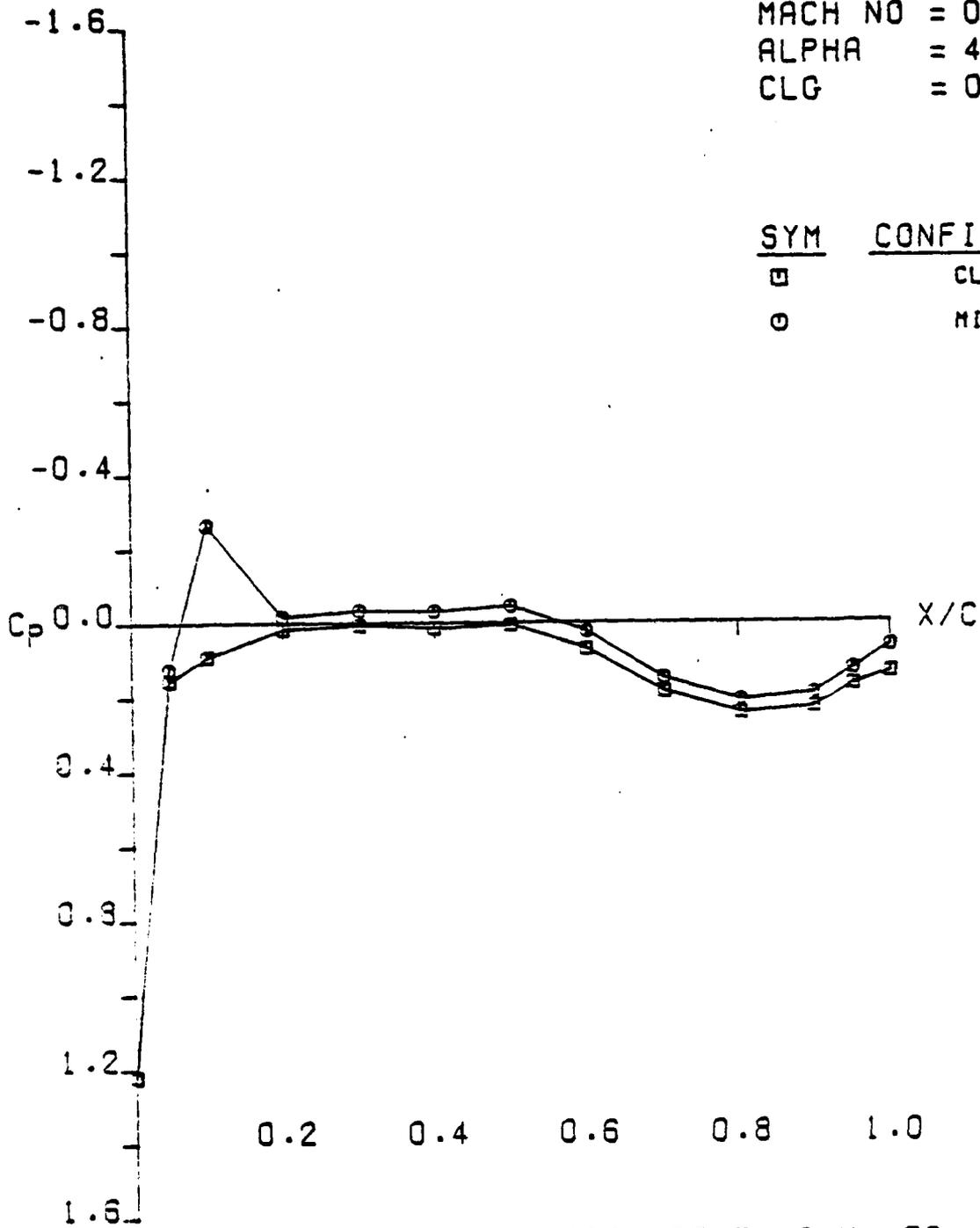
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

<u>SYM</u>	<u>CONFIGURATION</u>
□	CLEAN
○	MID

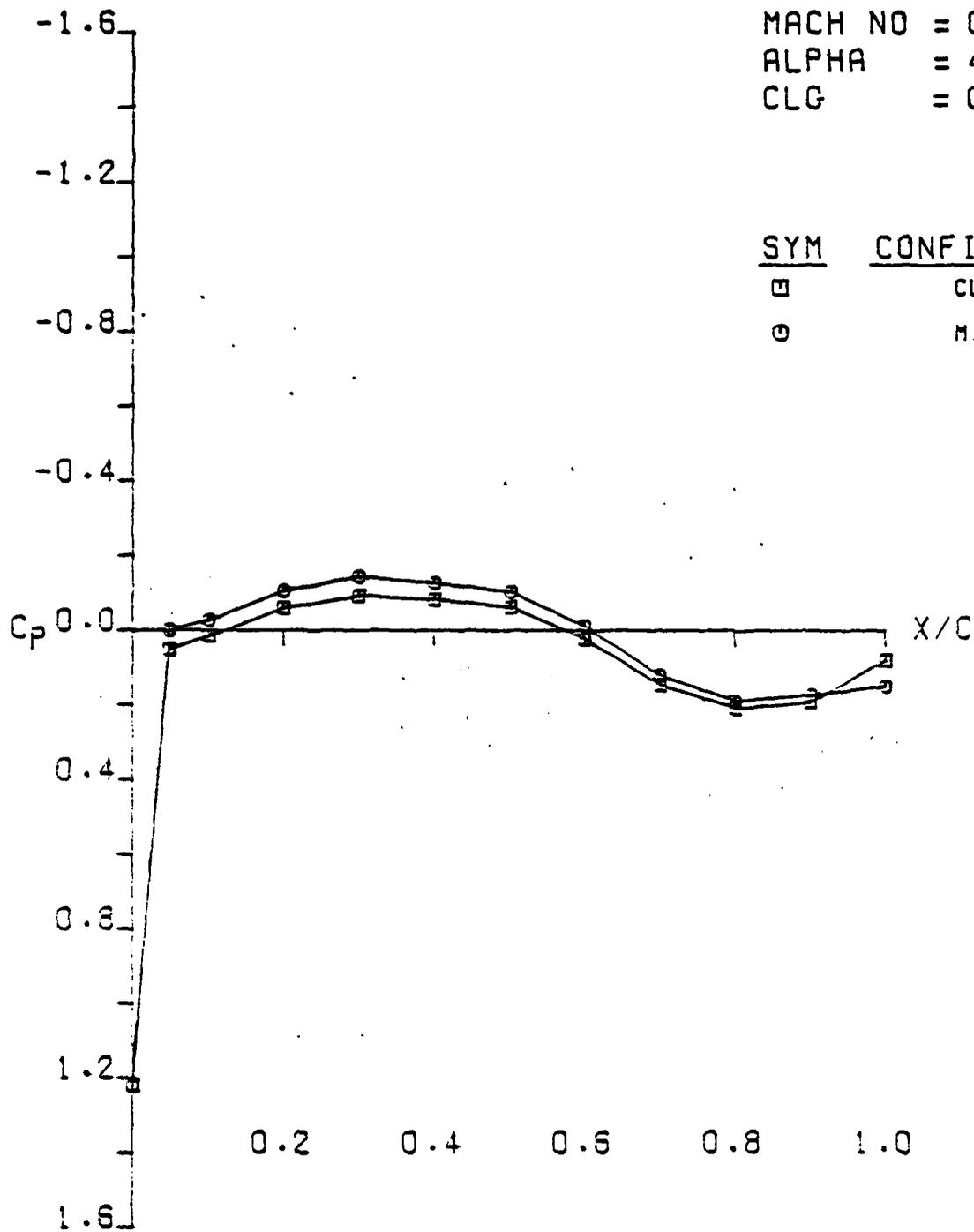
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

SYM	CONFIGURATION
□	CLEAN
○	MID

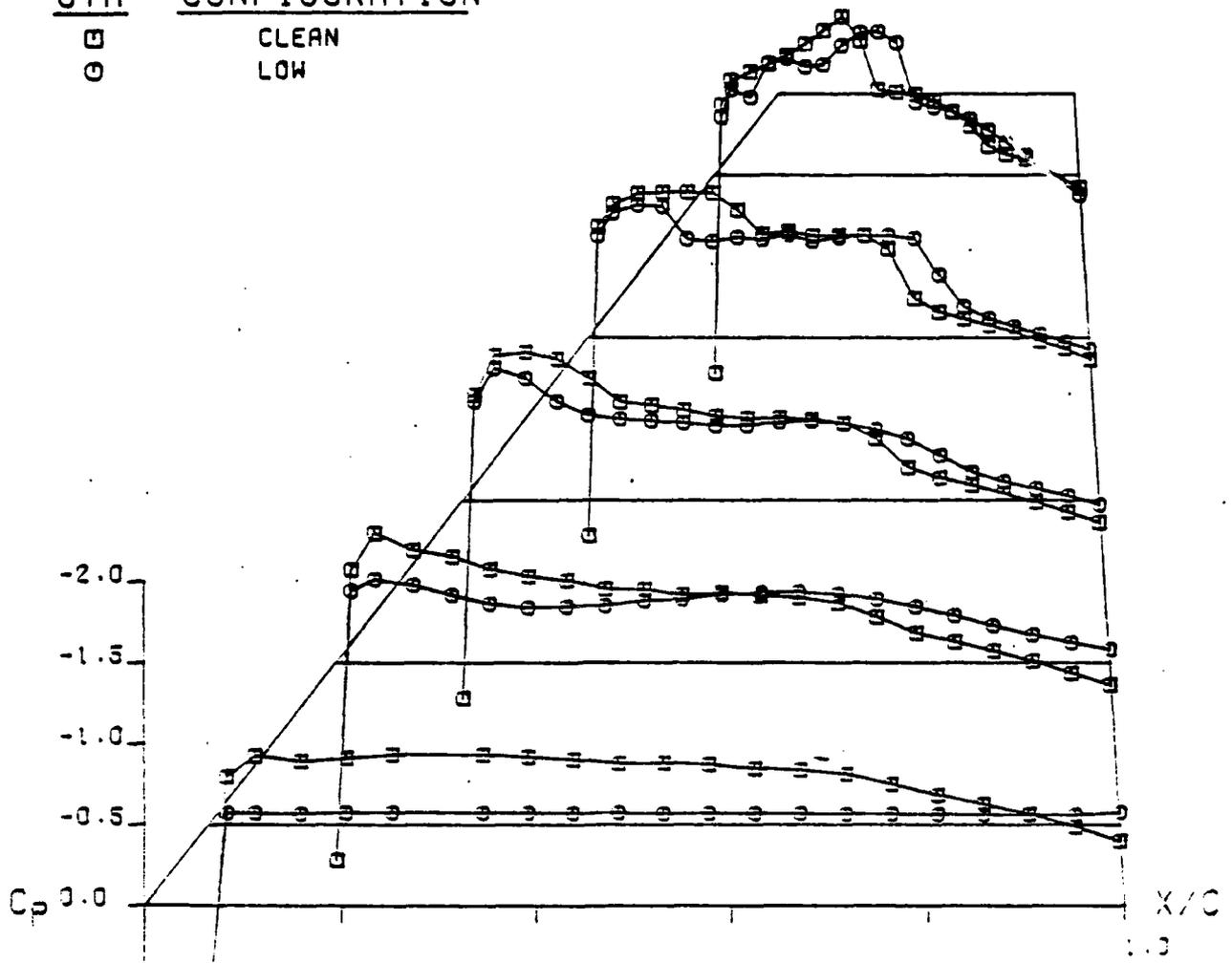
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS MID - NO SEAL (LWR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST. RUN 53
 CLN VS MID - NO SEAL (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

SYM CONFIGURATION

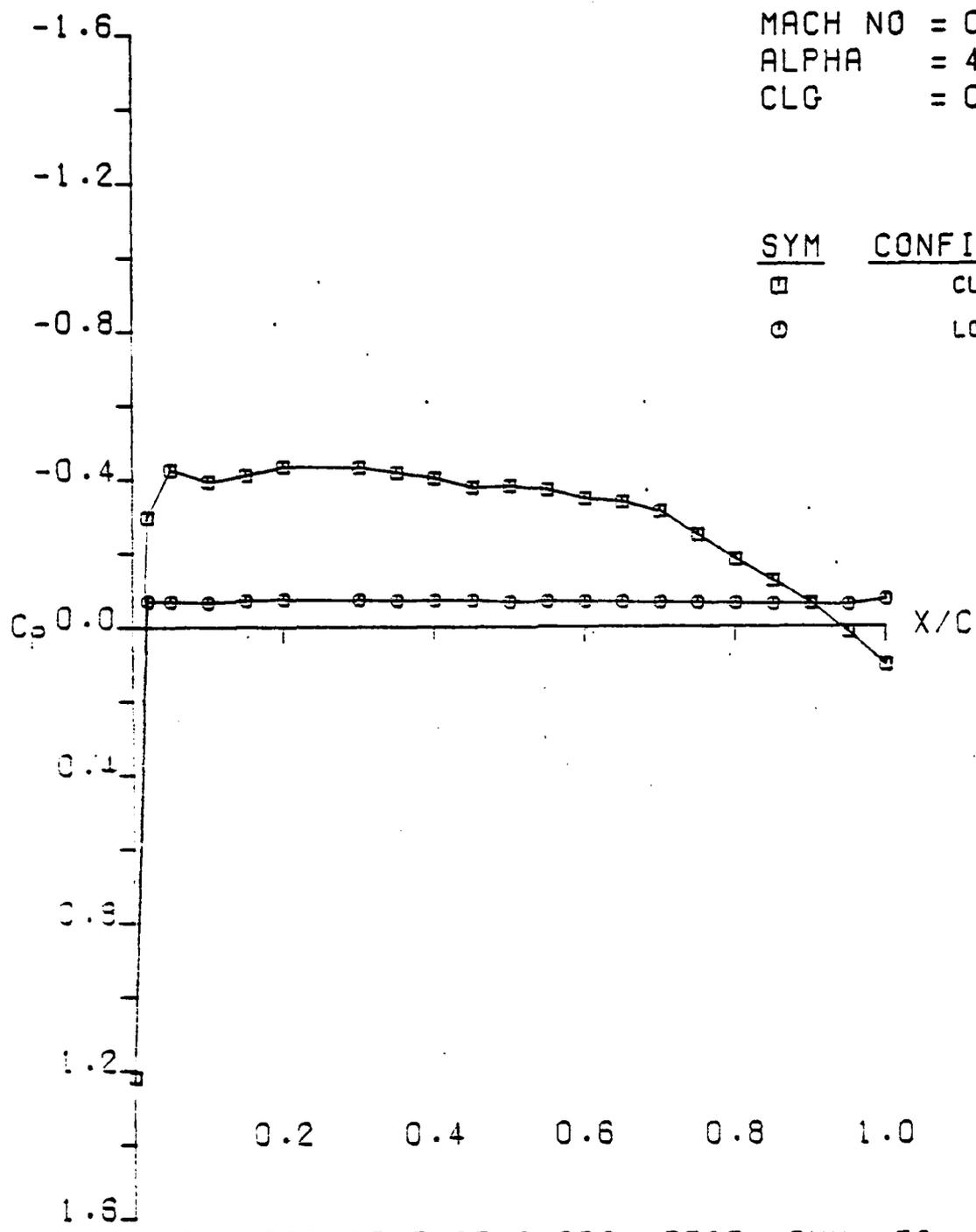
□ CLEAN
 ○ LOW



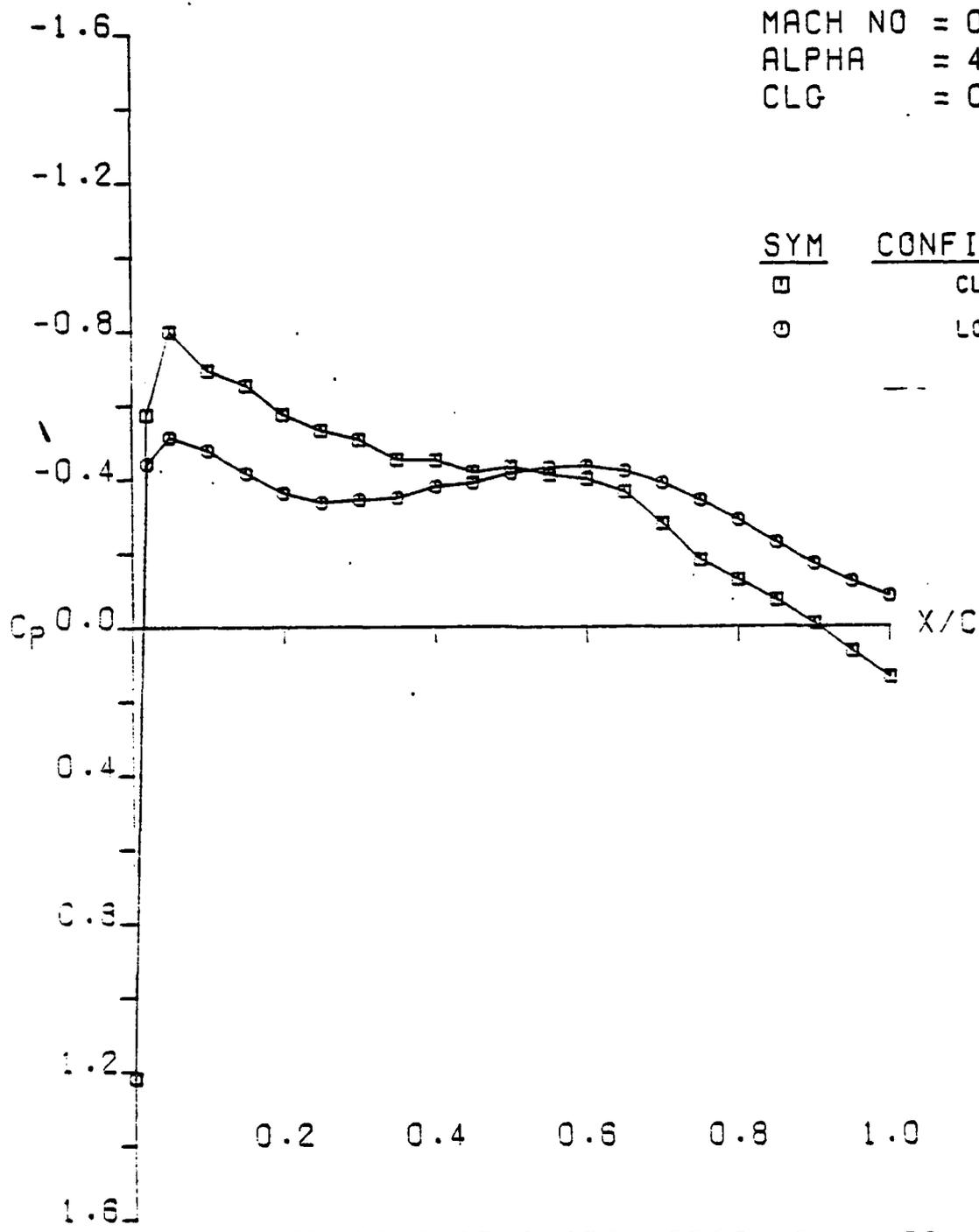
CONDITIONS

MACH NO = 0.300
 ALPHA = 4.914
 CL = 0.504
 CD = 0.049
 CM = -0.089

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (UPR SURF)
 NUMERICALLY OPTIMIZED WING C



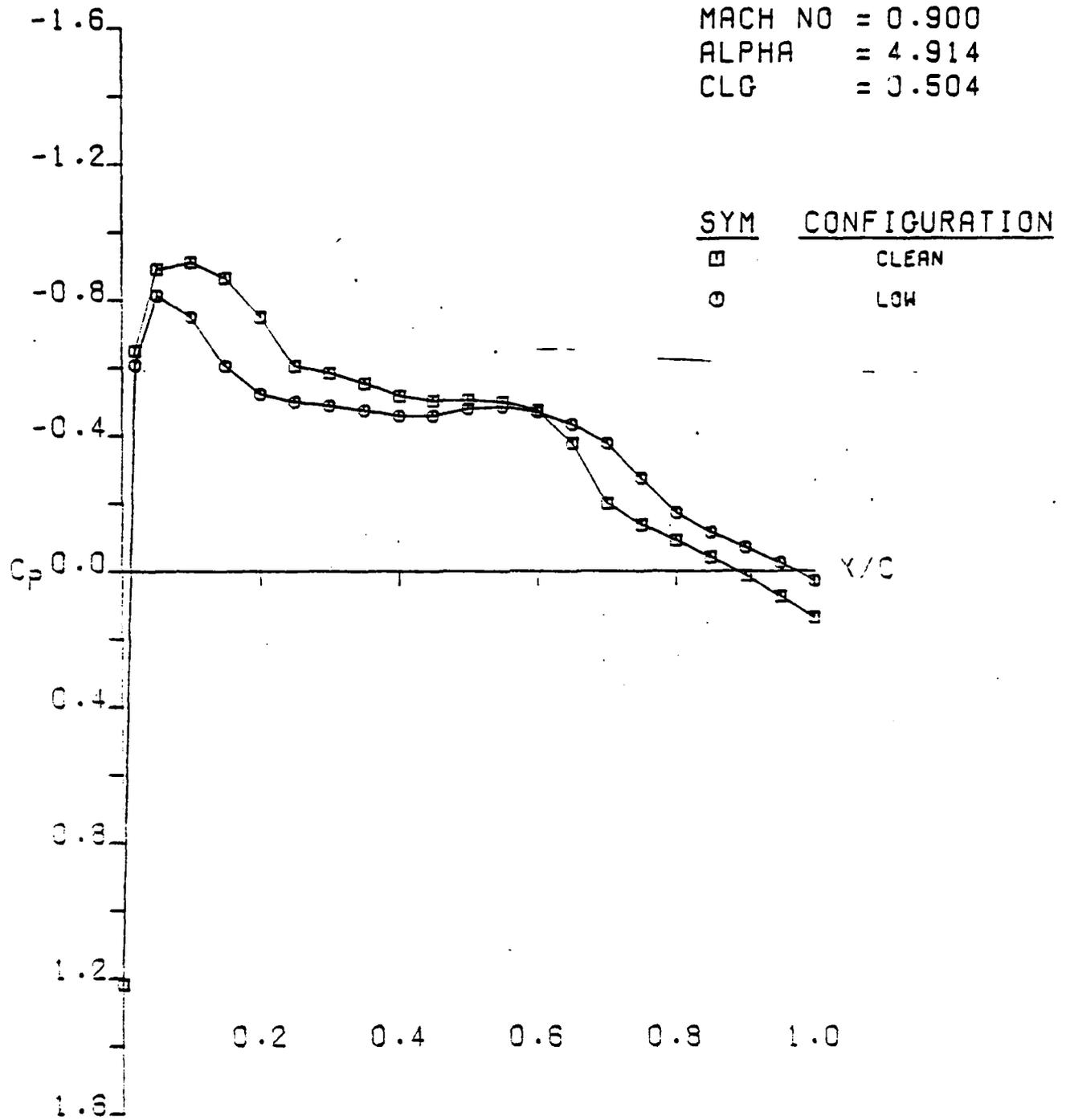
LOCKHEED CPWT SEMI-SPAN TEST, RUN 53
 CLN VS LGW (UPR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



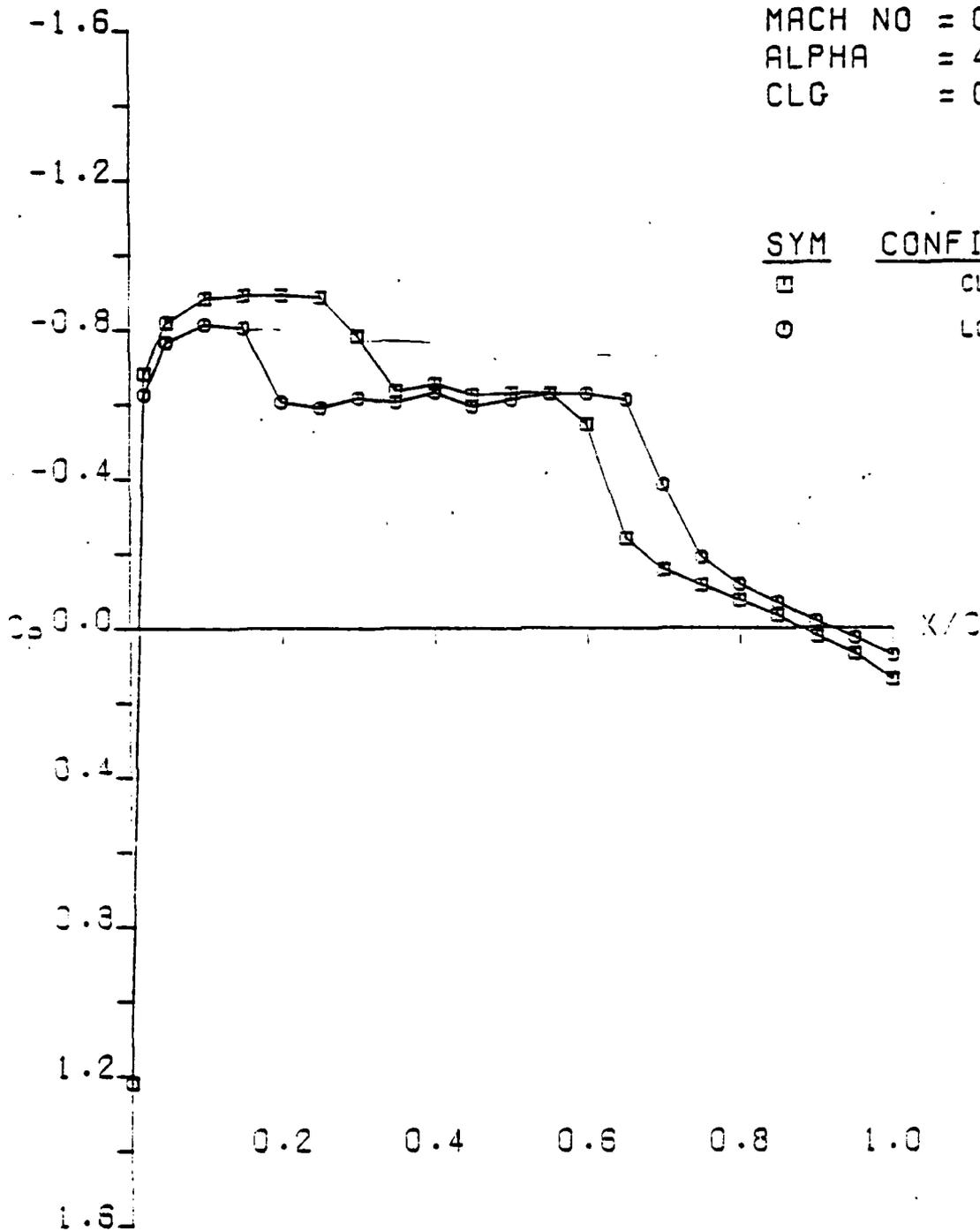
MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

SYM	CONFIGURATION
□	CLEAN
○	LOW

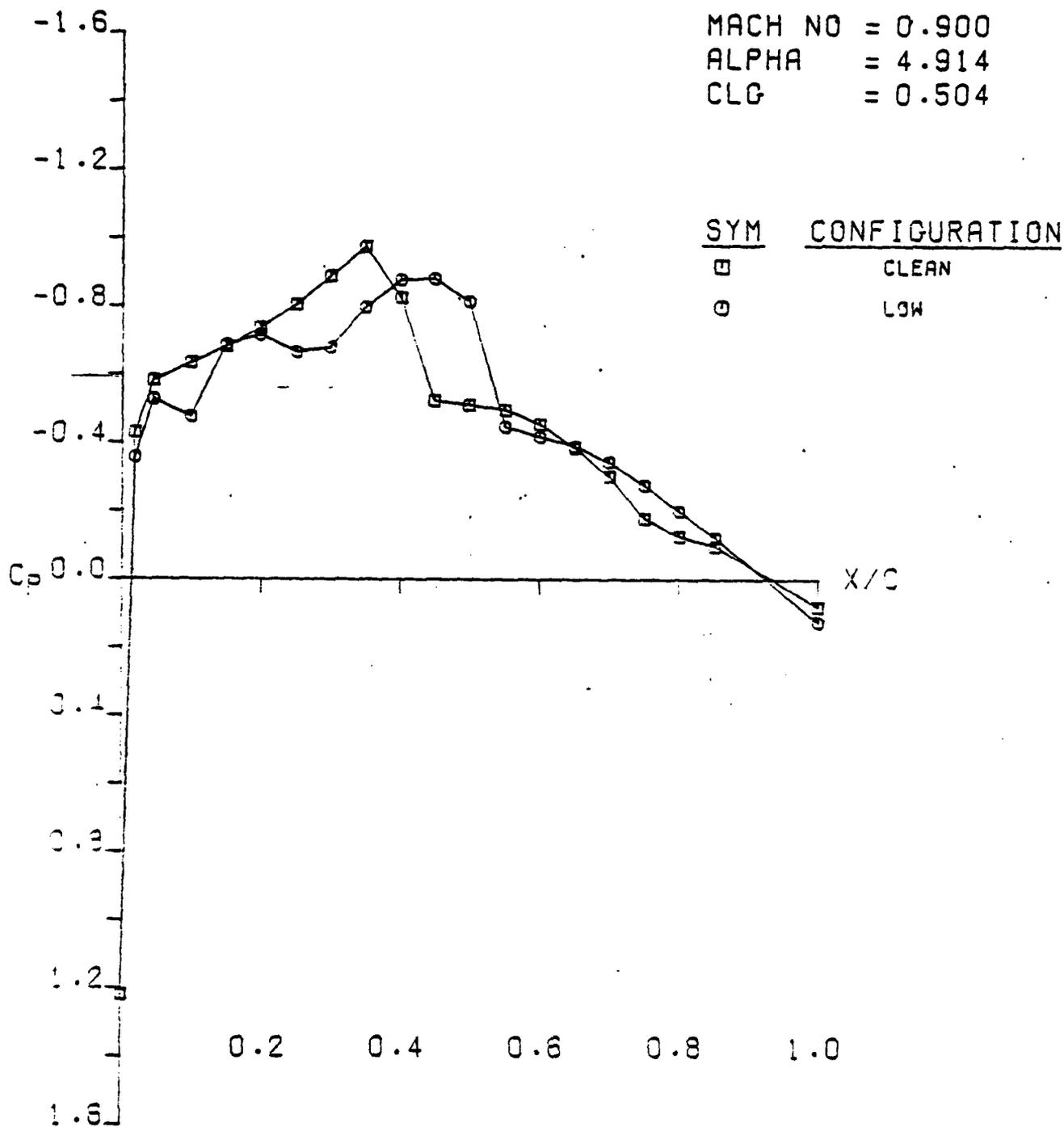
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (UPR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (UPR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



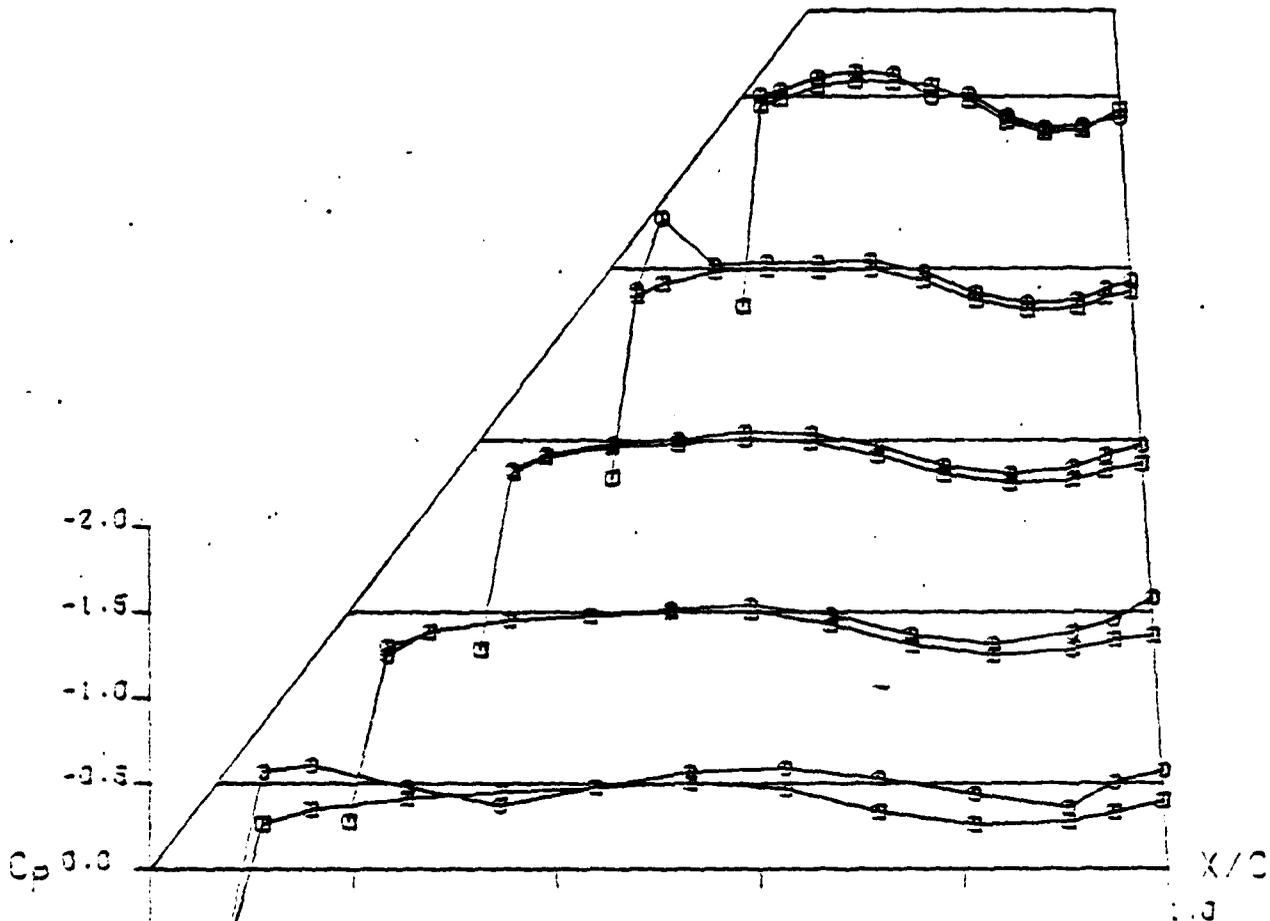
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (UPR SURF ETA .70)
 NUMERICALLY OPTIMIZED WING C



LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (UPR SURF $\alpha = .90$)
 NUMERICALLY OPTIMIZED WING C

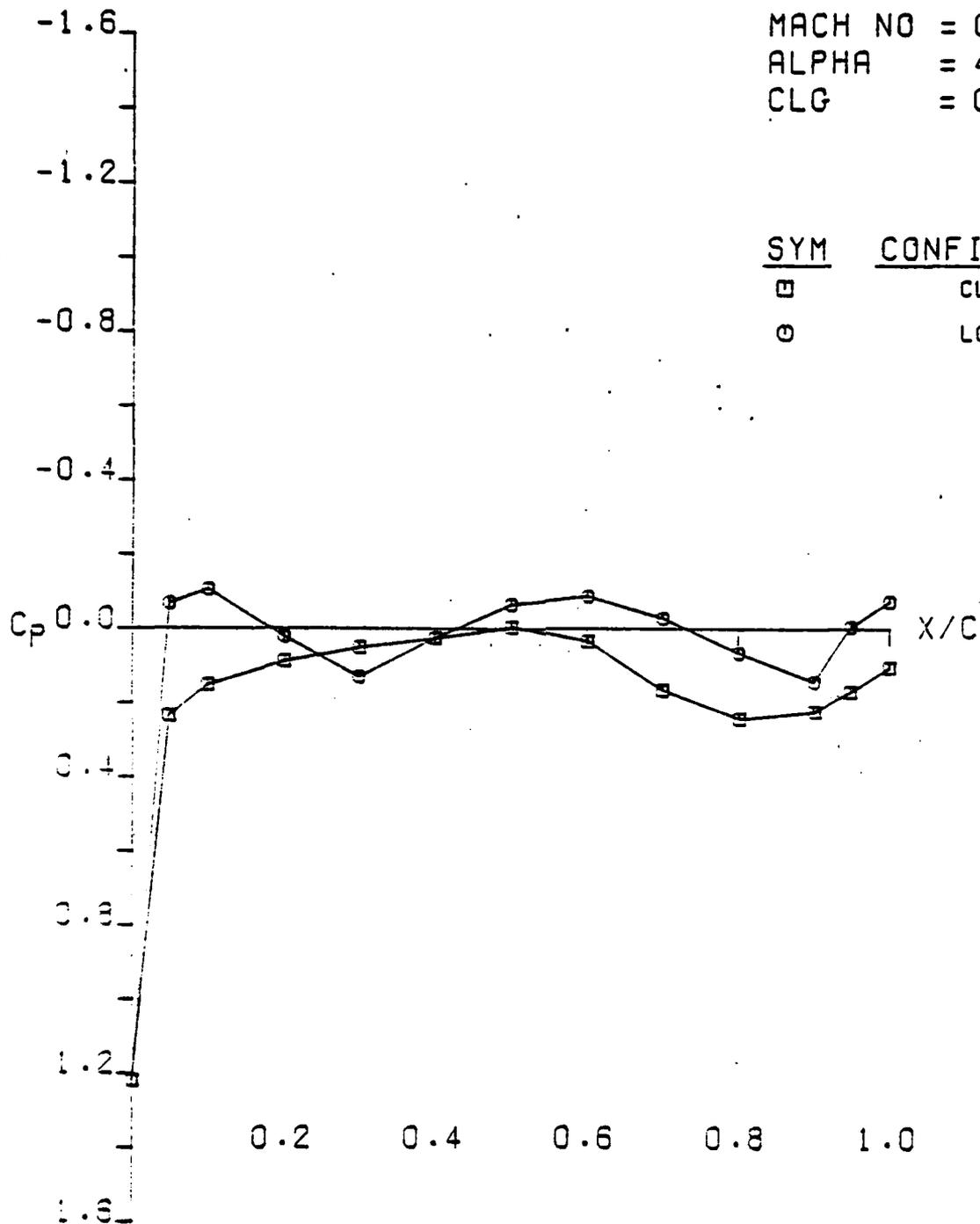
SYM CONFIGURATION

□ CLEAN
 ○ LOW

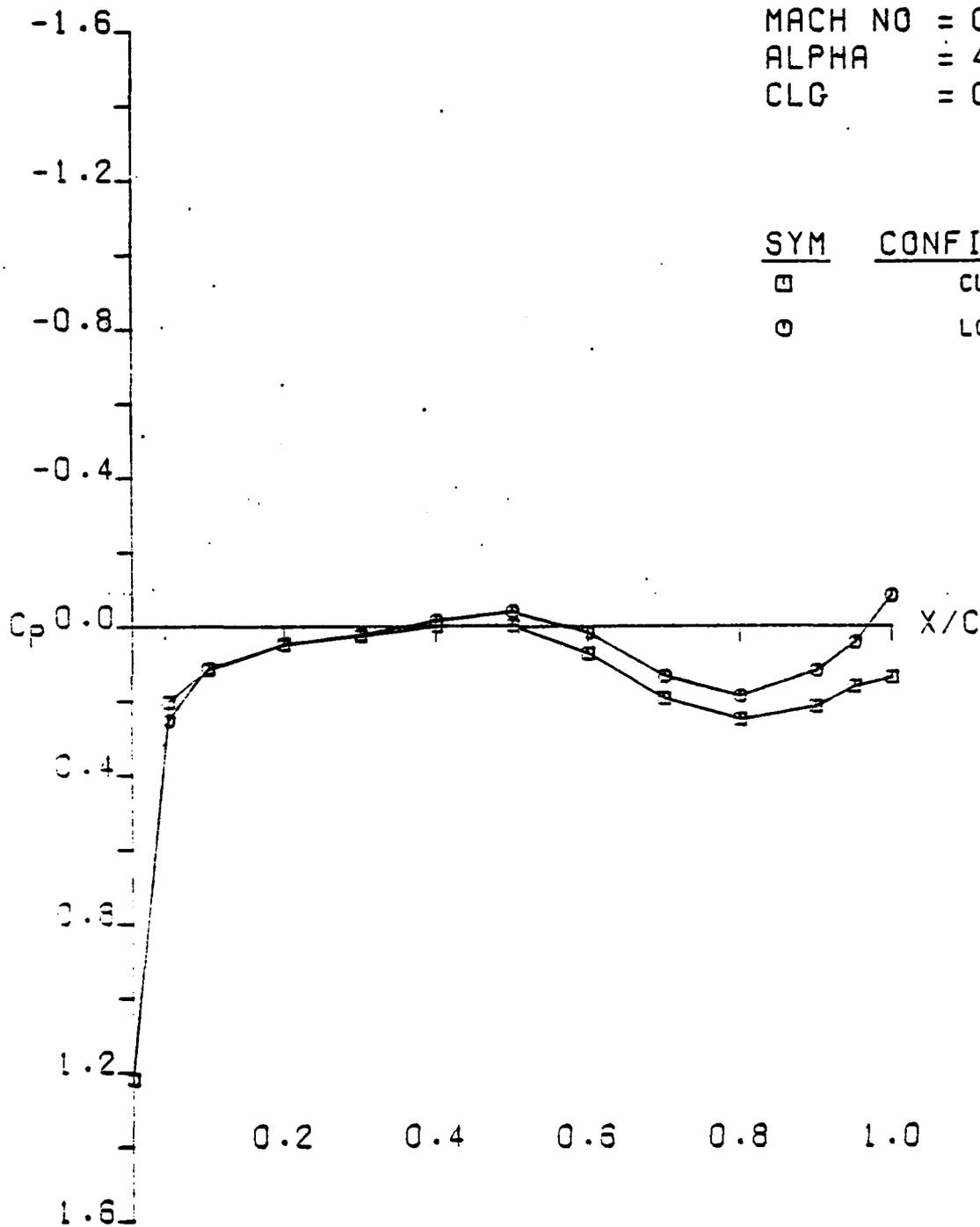


CONDITIONS
 MACH NO = 0.300
 ALPHA = 4.314
 CL = 0.504
 CD = 0.049
 CM =
 CLG = 0.504

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS. LOW (LWR SURF)
 NUMERICALLY OPTIMIZED WING C



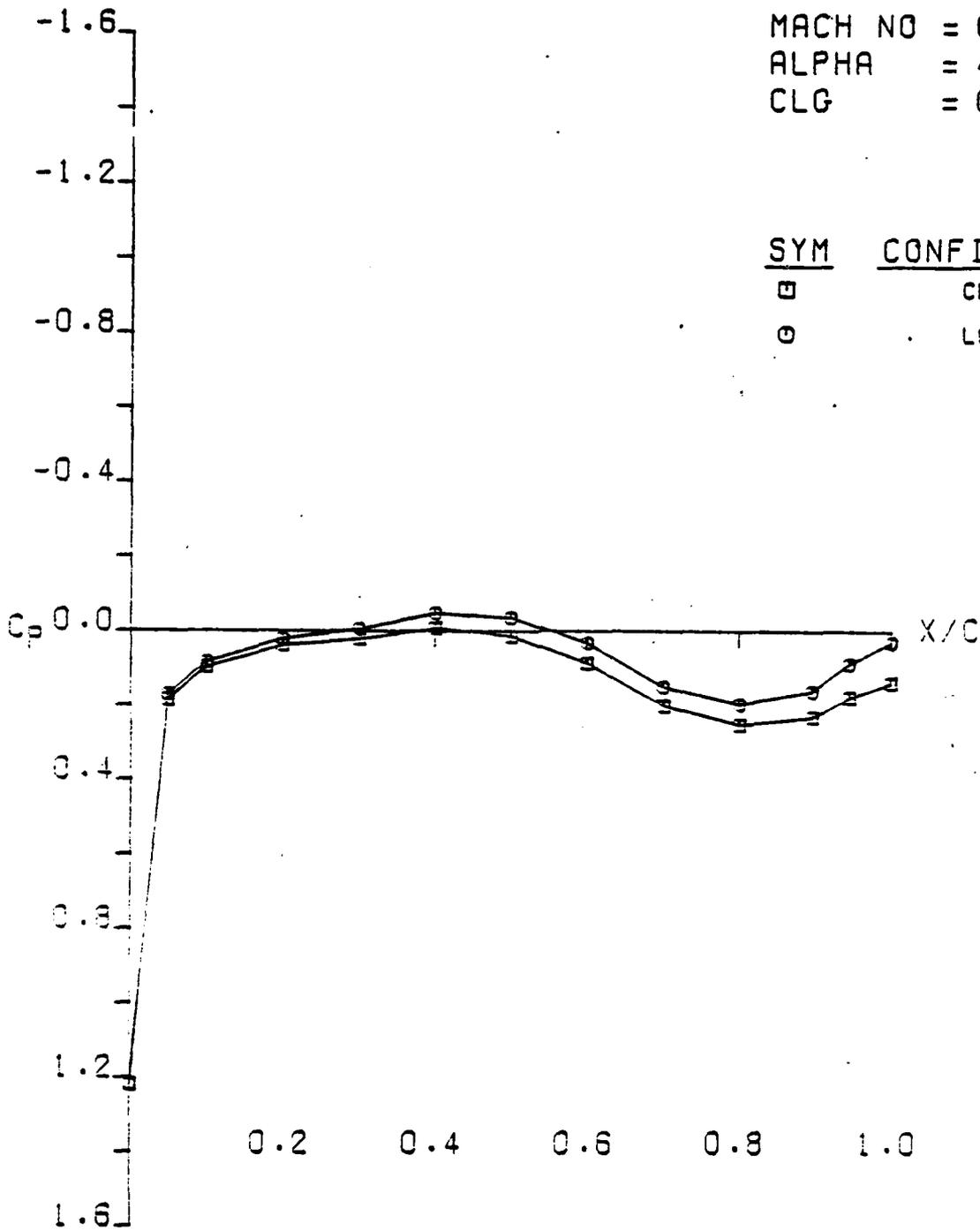
LOCKHEED CPWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (LWR SURF ETA .10)
 NUMERICALLY OPTIMIZED WING C



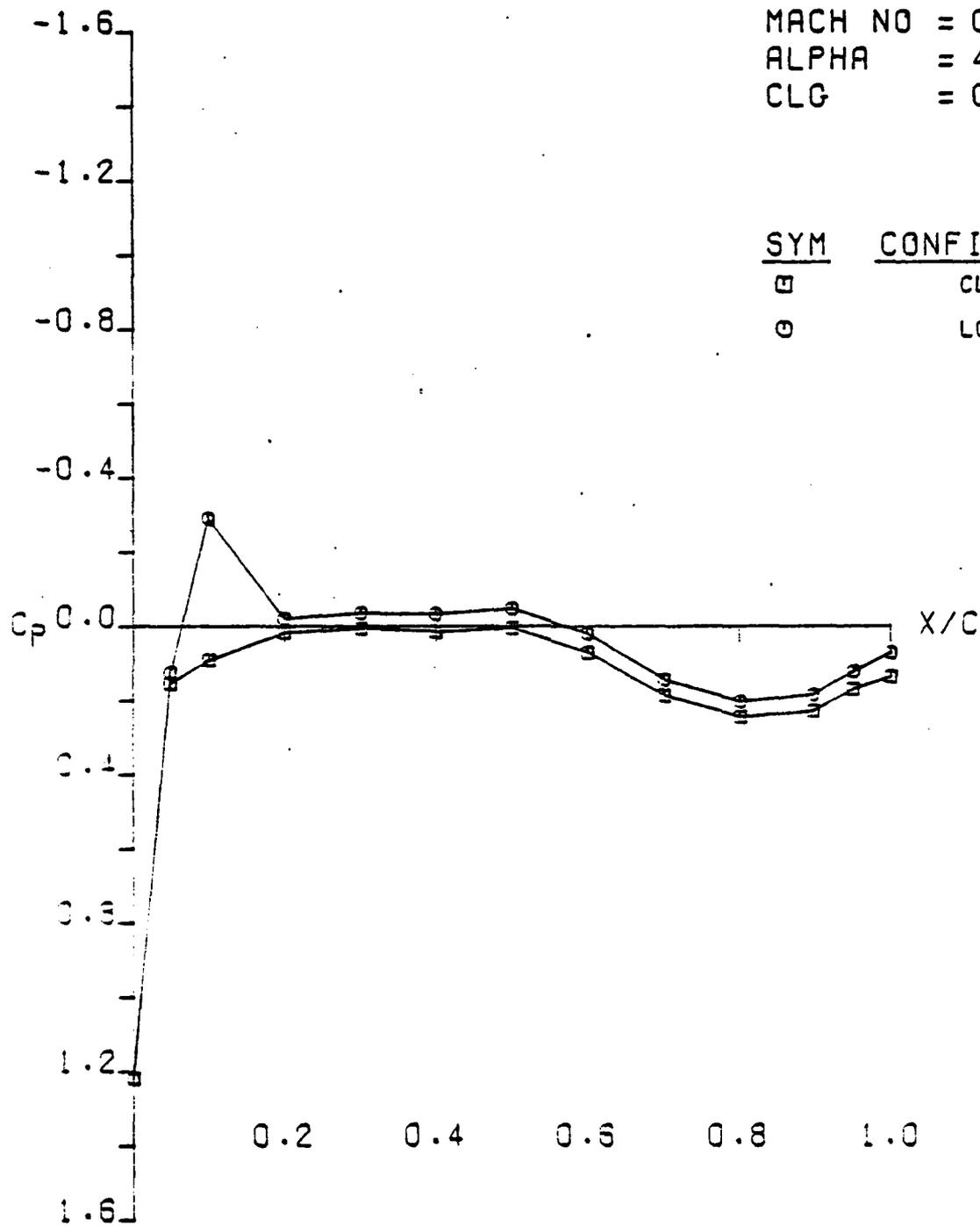
MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

SYM	CONFIGURATION
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (LWR SURF ETA .30)
 NUMERICALLY OPTIMIZED WING C



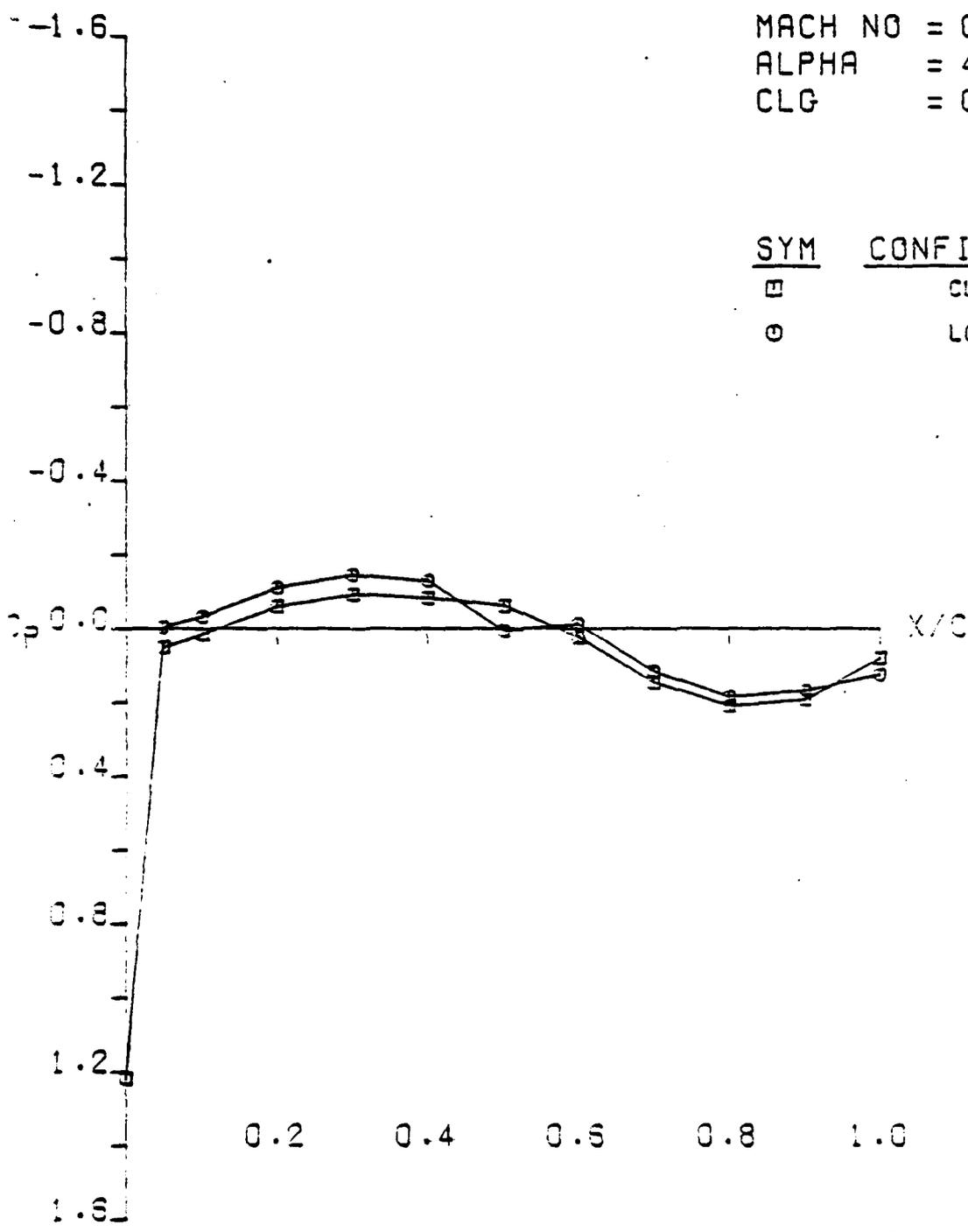
LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (LWR SURF ETA .50)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

SYM	CONFIGURATION
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (LWR SURF STA .70)
 NUMERICALLY OPTIMIZED WING C



MACH NO = 0.900
 ALPHA = 4.914
 CLG = 0.504

SYM	CONFIGURATION
□	CLEAN
○	LOW

LOCKHEED CFWT SEMI-SPAN TEST, RUN 53
 CLN VS LOW (LWR SURF ETA .90)
 NUMERICALLY OPTIMIZED WING C

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